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# GENIVI DocumentIAmCommandPlugin

## Component Design Template for Component IAmCommandPlugin

### Platform Compliance Specification

#### Draft Version 3.0

**23.06.2014**

**Sponsored by:**  
GENIVI Alliance

**Accepted for release by:**  
This document has not yet been accepted for release by the GENIVI Alliance Board of Directors.

**Abstract:**  
This document describes the collective requirements of the GENIVI OEMs for an "entry navigation" IVI profile.

**Keywords: GENIVI**

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26  
27 GENIVI Alliance, Inc.  
28 2400 Camino Ramon, Suite 375  
29 San Ramon, CA 94583, USA  
30

## 1 **Change history**

2 The following table shows the change history for this specification.

3 **Document revision change history**

<b>Date</b>	<b>Version</b>	<b>CR#</b>	<b>Description</b>
6.12.11	1.0		Initial version, C Müller, BMW
2.3.12	1.1		Update for release
31.1.13	2.0		Update for foton release
23.06.2014	3.0		Changes for Intrepid

4

5

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## 1 **List of Figures**

2 *<<List here any figures that are used in this document and be sure to right click and select 'update field' after any additions or*  
3 *changes>>*  
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5  
6

## 1 List of Tables

2 *«List here any tables that are used in this document and be sure to right click and select 'update field' after any additions or*  
3 *changes»*

4  
5  
6 Table 1 – Referenced GENIVI Alliance Documents ..... **Fehler! Textmarke nicht definiert.**  
7 Table 2 – Referenced External Documents ..... **Fehler! Textmarke nicht definiert.**  
8 Table 3 – Acronyms and Abbreviations ..... **Fehler! Textmarke nicht definiert.**

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11

12 *«Document Overview – Delete when this document is completed.*

13 *The goal of the Component Design Document is to capture the architecture and specification information of a*  
14 *specific component. Information should be added incrementally. It is then refined and updated consistently. Once*  
15 *all information has been completed and this document has been reviewed, it then becomes the final version of the*  
16 *Component Design Document for the applicable component.»*

## 1 Introduction

This document describes general requirements on the platform, all external standards and all the components of the GENIVI platform release.

## **1 Targeted Audience**

Anyone wishing to apply for compliance should have this document at hand, as it complements the GENIVI Platform Compliance Statement document.



## 2 Categories

The compliance requirements within the GENIVI compliance program fall into the following general categories:

### Standards

The Standards list the compliance requirements that refer to standards external to GENIVI

Components from GENIVI component list, that can be of the following compliance levels:

- PlaceholderComponent, as described in GENIVI Compliance Explanation
- AbstractComponent, as described in GENIVI Compliance Explanation
- SpecificComponent, as described in GENIVI Compliance Explanation

### 3 Abbreviations

In further text the following abbreviations (ABB) will be used for forming the IDs:

- ST for Standards
- PC for PlaceholderComponent
- AC for AbstractComponent
- SC for SpecificComponent

## 4 Format of the entries in this document

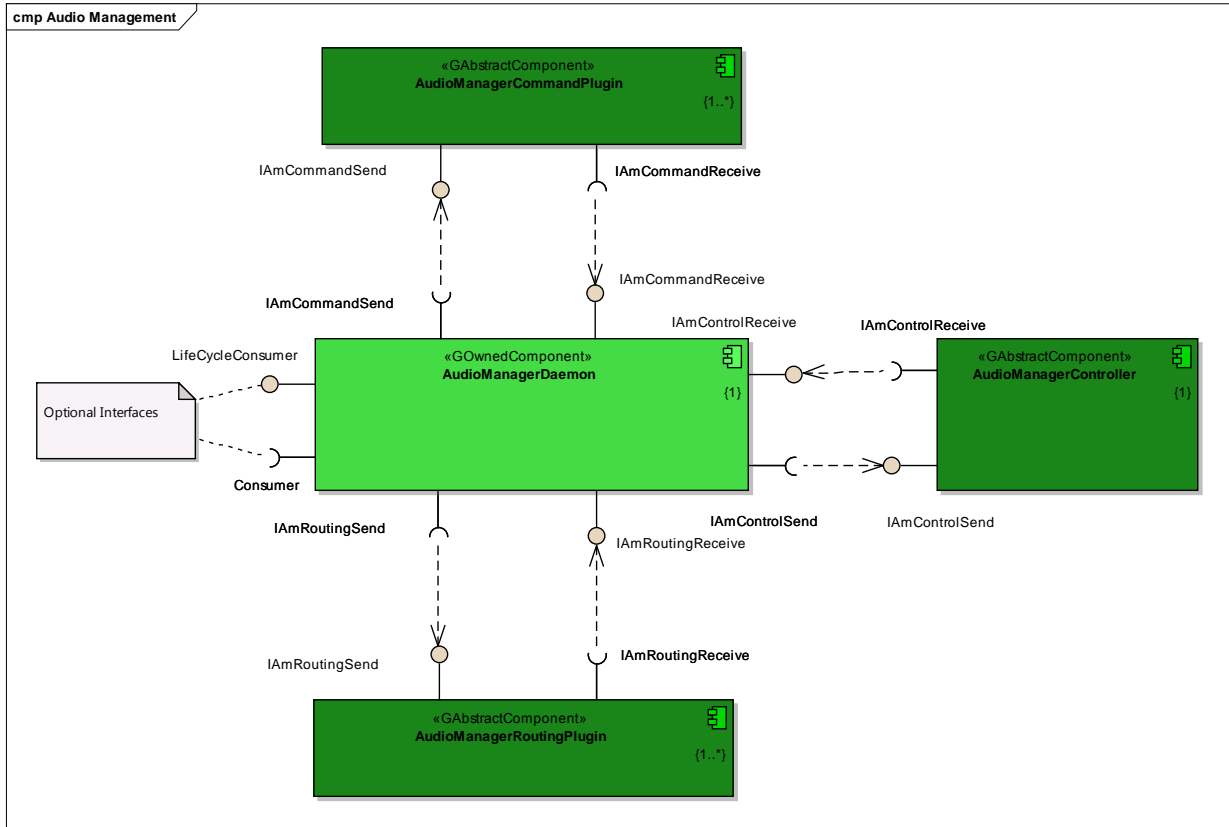
The entries pertaining to components have the following format:

Field Description	ID unique
ID	text formed as: <ABB>-<auto incrementing number>.<sub code>
Name	name with optional link (URL) to the external reference (e.g. The project home page)
Compliance Level	as defined in Categories.
Priority	as described in GENIVI Compliance Explanation
Description	textual clarification
Requirements	For PC, AC contains a table of requirements

## **5 Standards**

GENIVI Compliance Release 1.0 does not require references to external standards.

## 6 Component Overview



## 7 Component Interaction

### Toolbox

*Type:* **Package**  
*Status:* Reworked. Version 1.0. Phase 1.0.  
*Package:* Control Interface  
*Detail:* Created on 24.08.2011. Last modified on 10.10.2011  
*GUID:* {381F5748-B9F8-4e8a-B955-62222423FA69}

This packet holds all actions that can be used by the controller. These tasks are at disposal for the AudioManagerController to fulfill his tasks.

### tool\_AsyncSetSinkNotificationConfiguration

*Type:* **Package**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* Toolbox  
*Detail:* Created on 29.01.2013. Last modified on 29.01.2013  
*GUID:* {FCA04F87-958B-4012-8E18-61AF59B86FBE}

#### tool\_AsyncSetSinkNotificationConfiguration - (Interaction diagram)

*Created By:* q232968 on 29.01.2013  
*Last Modified:* 29.01.2013  
*Version:* 1.0. *Locked:* False  
*GUID:* {875ADB5B-2619-4522-89AD-6D4AD0628659}

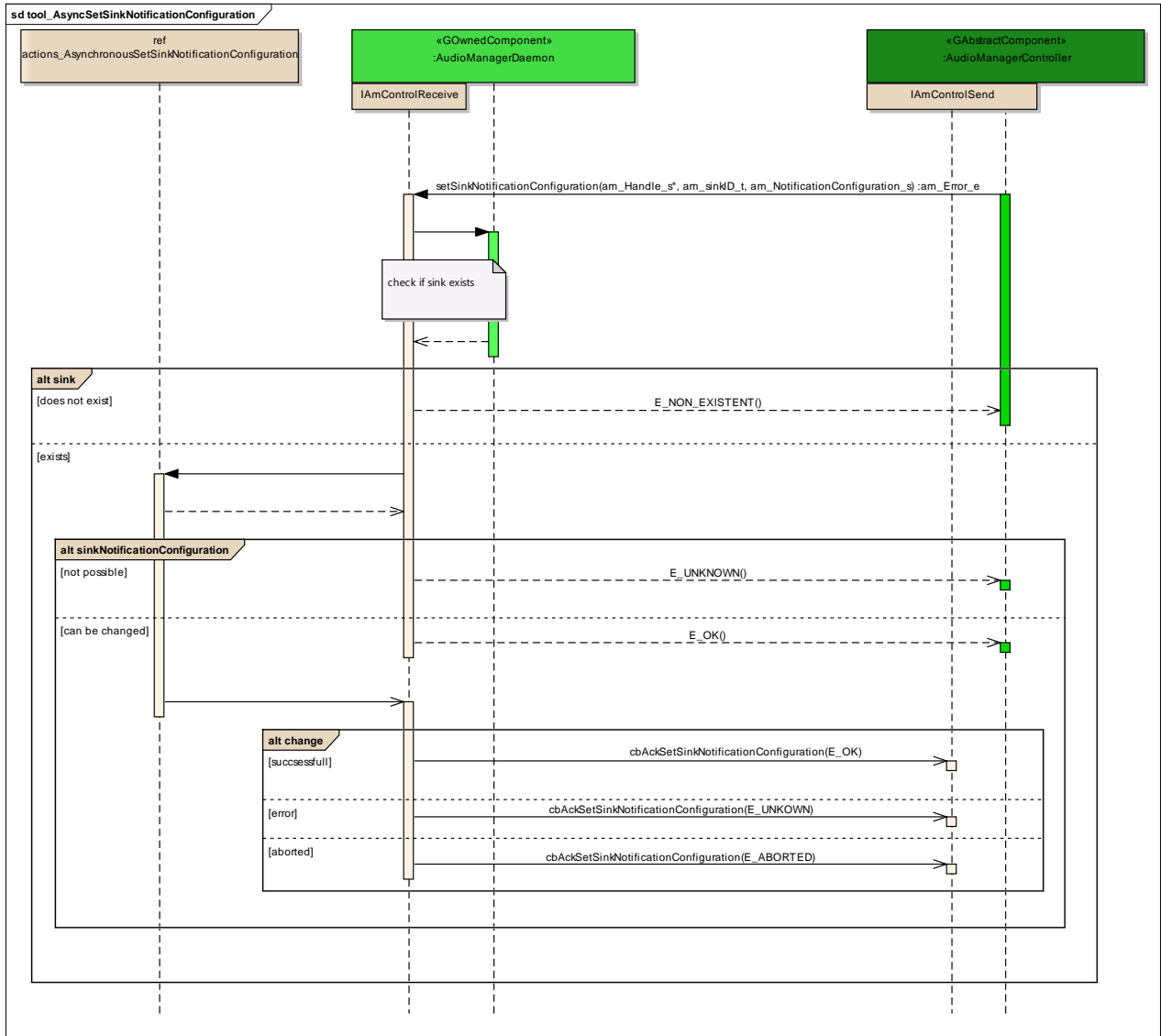


Figure: 1

## actions\_AsyncSetSinkNotificationConfiguration

Type: **InteractionOccurrence**  
 Status: Proposed. Version 1.0. Phase 1.0.  
 Package: tool\_AsyncSetSinkNotificationConfiguration *Keywords:*  
 Detail: Created on 29.01.2013. Last modified on 29.01.2013.  
 GUID: {B3CEBF1D-F62F-4b91-868A-DB1B7328F151}

### Connections

Connector	Source	Target	Notes
<b>Sequence</b> Source -> Destination	Public IAmControlReceive	Public actions_AsyncSetSinkNotificationConfi	

Connector	Source	Target	Notes
		guration	
<b>Sequence</b> Source -> Destination	Public actions_AsyncSetSinkNotificationConfiguration	Public IAmControlReceive	
<b>Sequence</b> Source -> Destination	Public actions_AsyncSetSinkNotificationConfiguration	Public IAmControlReceive	

## change

**Type:** **InteractionFragment**  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** tool\_AsyncSetSinkNotificationConfiguration **Keywords:**  
**Detail:** Created on 29.01.2013. Last modified on 29.01.2013.  
**GUID:** {4A80F484-9DD2-4dab-8951-B3EF2E4EEA58}

## sink

**Type:** **InteractionFragment**  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** tool\_AsyncSetSinkNotificationConfiguration **Keywords:**  
**Detail:** Created on 29.01.2013. Last modified on 29.01.2013.  
**GUID:** {3615F69D-78AB-480c-8D82-CF04ED709CCF}

## sinkNotificationConfiguration

**Type:** **InteractionFragment**  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** tool\_AsyncSetSinkNotificationConfiguration **Keywords:**  
**Detail:** Created on 29.01.2013. Last modified on 29.01.2013.  
**GUID:** {DF6A53DA-52BB-41a9-B956-A9BA6BD86878}

## tool\_AsyncSetSourceNotificationConfiguration

**Type:** **Package**



*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* Toolbox  
*Detail:* Created on 31.01.2013. Last modified on 31.01.2013  
*GUID:* {6F0CB6F4-180A-4153-AE1B-BBE54A5B3B2F}

**tool AsyncSetSourceNotificationConfiguration** - (Interaction diagram)

*Created By:* q232968 on 29.01.2013  
*Last Modified:* 31.01.2013  
*Version:* 1.0. *Locked:* False  
*GUID:* {F89B0574-5E95-4beb-9D28-970813A4C112}

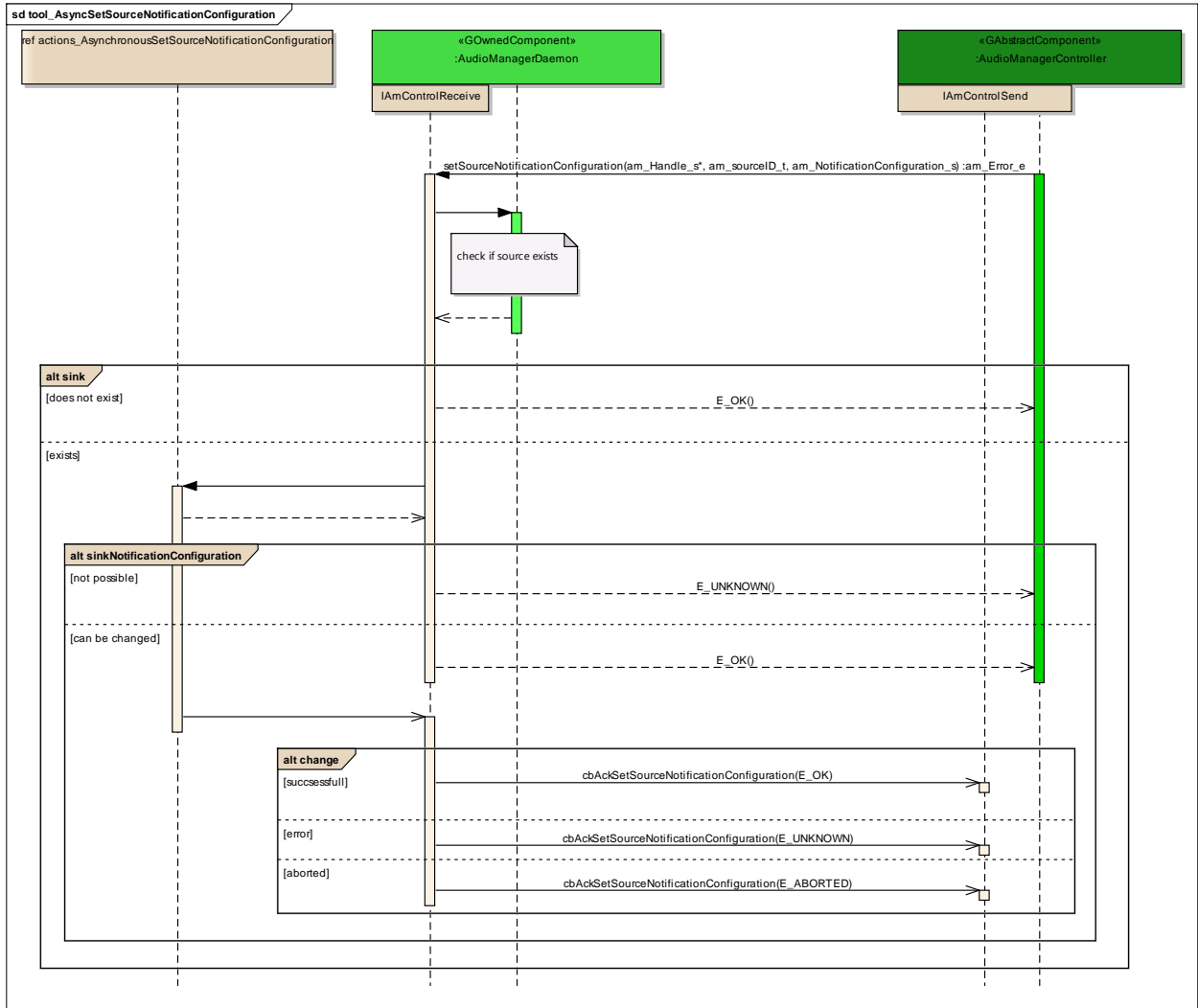


Figure: 2

**actions\_AsyncronousSetSourceNotificationConfiguration**

*Type:* **InteractionOccurrence**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* tool AsyncSetSourceNotificationConfiguration *Keywords:*  
*Detail:* Created on 31.01.2013. Last modified on 31.01.2013.  
*GUID:* {1EDC895D-012A-497d-827B-C3297392FC3A}

**Connections**

Connector	Source	Target	Notes
<b>Sequence</b> Source -> Destination	Public IAmControlReceive	Public actions_AsynchronousSetSourceNotificationConfiguration	
<b>Sequence</b> Source -> Destination	Public actions_AsynchronousSetSourceNotificationConfiguration	Public IAmControlReceive	
<b>Sequence</b> Source -> Destination	Public actions_AsynchronousSetSourceNotificationConfiguration	Public IAmControlReceive	

**change**

*Type:* **InteractionFragment**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* tool\_AsyncSetSourceNotificationConfiguration *Keywords:*  
*Detail:* Created on 29.01.2013. Last modified on 29.01.2013.  
*GUID:* {89BEE17B-6C9D-40a4-9609-EC313D5D88B3}

**sink**

*Type:* **InteractionFragment**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* tool\_AsyncSetSourceNotificationConfiguration *Keywords:*  
*Detail:* Created on 29.01.2013. Last modified on 29.01.2013.  
*GUID:* {2F079AA3-0817-4360-B3B1-A6EC9EEC3011}

**sinkNotificationConfiguration**

*Type:* **InteractionFragment**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* tool\_AsyncSetSourceNotificationConfiguration *Keywords:*  
*Detail:* Created on 29.01.2013. Last modified on 29.01.2013.  
*GUID:* {5B05FDE1-5562-4754-9F60-FB844E85B665}

## tool\_SendMainSinkNotification

**Type:** Package  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** Toolbox  
**Detail:** Created on 29.01.2013. Last modified on 29.01.2013  
**GUID:** {9FECCEF8-C3CA-44c3-9452-FFCA2D87341C}

### tool\_SendMainSinkNotification - (Interaction diagram)

**Created By:** q232968 on 29.01.2013  
**Last Modified:** 29.01.2013  
**Version:** 1.0. **Locked:** False  
**GUID:** {5F51F89F-8C74-4a5f-B66C-2C503EF5EBB5}

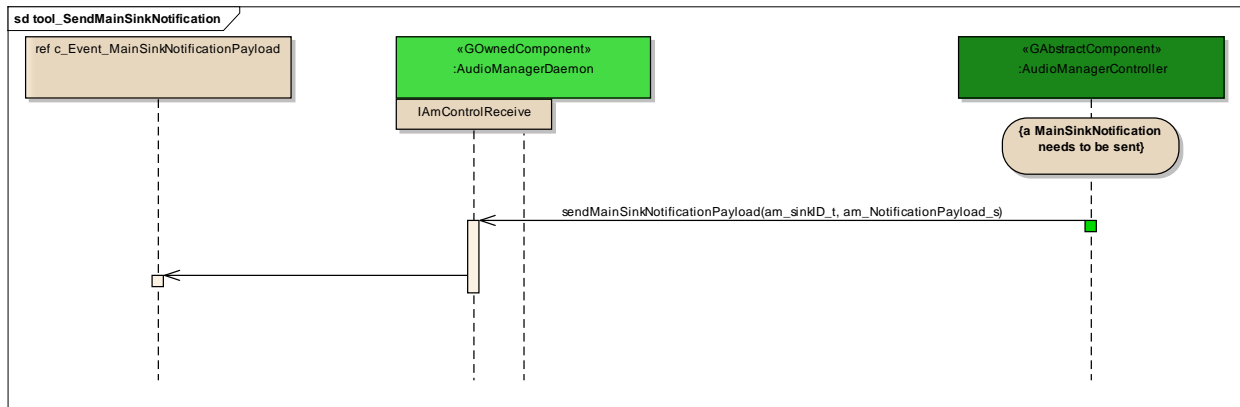


Figure: 3

## c\_Event\_MainSinkNotificationPayload

**Type:** InteractionOccurrence  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** tool\_SendMainSinkNotification **Keywords:**  
**Detail:** Created on 29.01.2013. Last modified on 29.01.2013.  
**GUID:** {87DE524D-8DB2-431b-87D6-3E5619AD108C}

### Connections

Connector	Source	Target	Notes
<b>Sequence</b> Source -> Destination	Public IAmControlReceive	Public c_Event_MainSinkNoti ficationPayload	

## tool\_sendMainSourceNotification

**Type:** Package  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** Toolbox  
**Detail:** Created on 29.01.2013. Last modified on 29.01.2013  
**GUID:** {494C2AC6-F326-49bc-82A7-7B63DA860DDC}

### tool\_sendMainSourceNotification - (Interaction diagram)

**Created By:** q232968 on 29.01.2013  
**Last Modified:** 29.01.2013  
**Version:** 1.0. **Locked:** False  
**GUID:** {9DA1D111-1743-46a8-A9A3-1FFD72B81128}

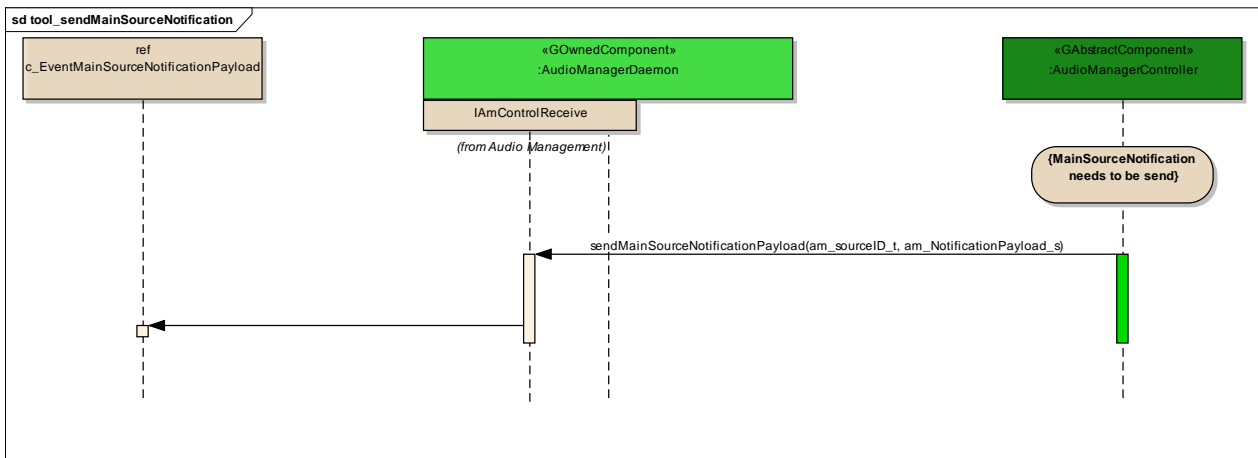


Figure: 4

## c\_EventMainSourceNotificationPayload

**Type:** InteractionOccurrence  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** tool\_sendMainSourceNotification **Keywords:**  
**Detail:** Created on 29.01.2013. Last modified on 29.01.2013.  
**GUID:** {E0785FC2-FF25-4265-9319-77A941C81DE8}

### Connections

Connector	Source	Target	Notes
<b>Sequence</b> Source -> Destination	Public IAmControlReceive	Public c_EventMainSourceNot ificationPayload	

## tool\_AsyncMessaging

**Type:** Package

*Status:* Reworked. Version 1.0. Phase 1.0.  
*Package:* Toolbox  
*Detail:* Created on 30.09.2011. Last modified on 11.10.2011  
*GUID:* {A83607E7-031C-44ba-8911-BC2A863B6AFC}

**tool AsyncMessaging** - (Interaction diagram)

*Created By:* christian on 30.09.2011  
*Last Modified:* 11.10.2011  
*Version:* 1.0. *Locked:* False  
*GUID:* {0BB4E82E-FB10-4b3f-8801-57A25318DB08}

The sequence shown here is the same for all asynchronous transmitted messages.

It shows how the handles are created and destroyed and what the daemon does to evaluate the correct routing plugin

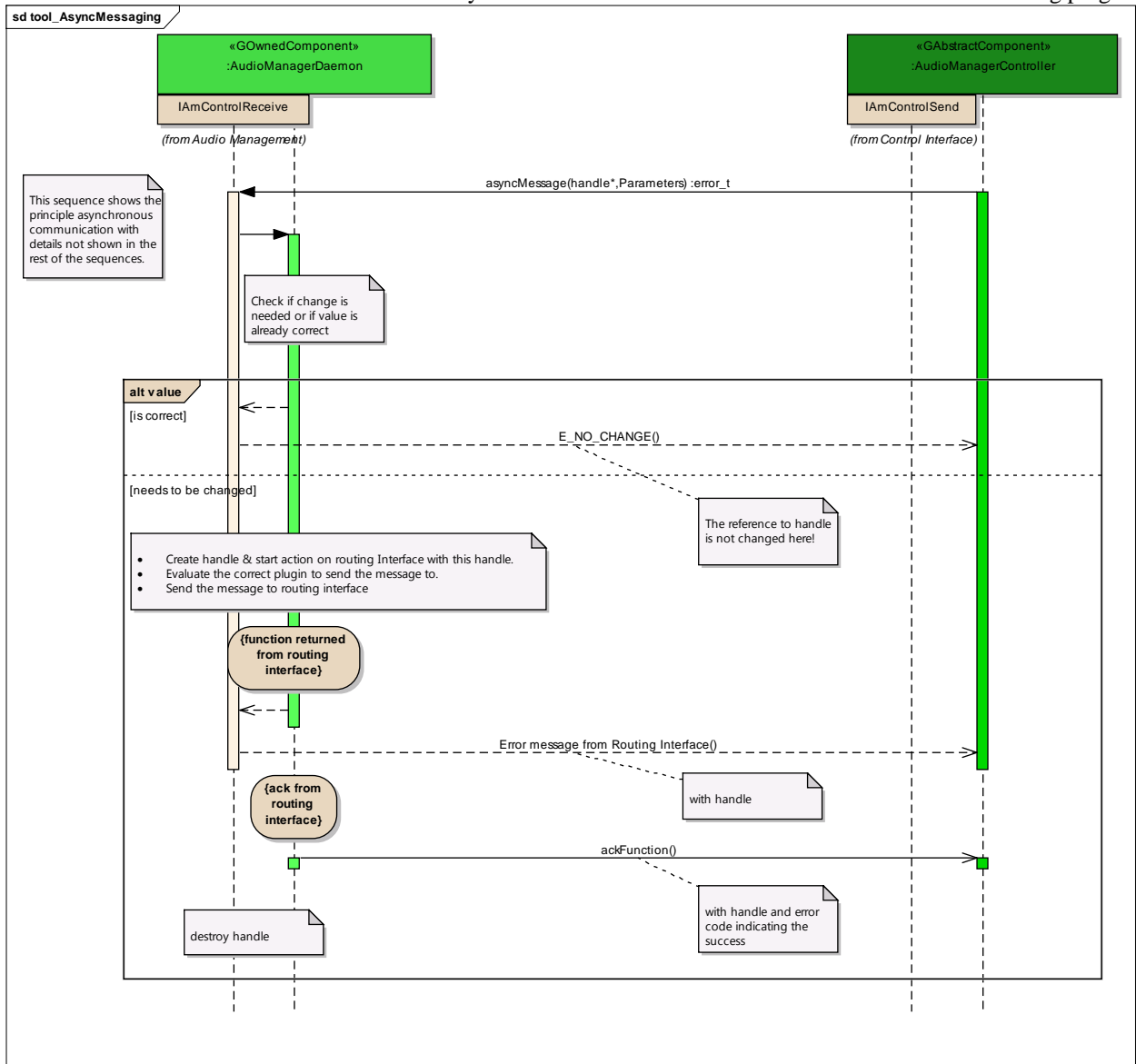


Figure: 5

**value**

*Type:* **InteractionFragment**

*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* tool\_AsyncMessaging *Keywords:*  
*Detail:* Created on 30.09.2011. Last modified on 30.09.2011.  
*GUID:* {DEB1D05C-0AB5-418a-99B8-B060662AFEB1}

## tool\_AsyncSetSourceState

*Type:* **Package**  
*Status:* Reworked. Version 1.0. Phase 1.0.  
*Package:* Toolbox  
*Detail:* Created on 08.09.2011. Last modified on 11.10.2011  
*GUID:* {049AF3A5-E4E8-4057-80D7-E58DBC3C8C5B}

### **tool\_AsyncSetSourceState** - (Interaction diagram)

*Created By:* christian on 08.09.2011  
*Last Modified:* 12.10.2011  
*Version:* 1.0. *Locked:* False  
*GUID:* {53A064EE-26B2-4e0d-9604-8B6FFC0FAE31}

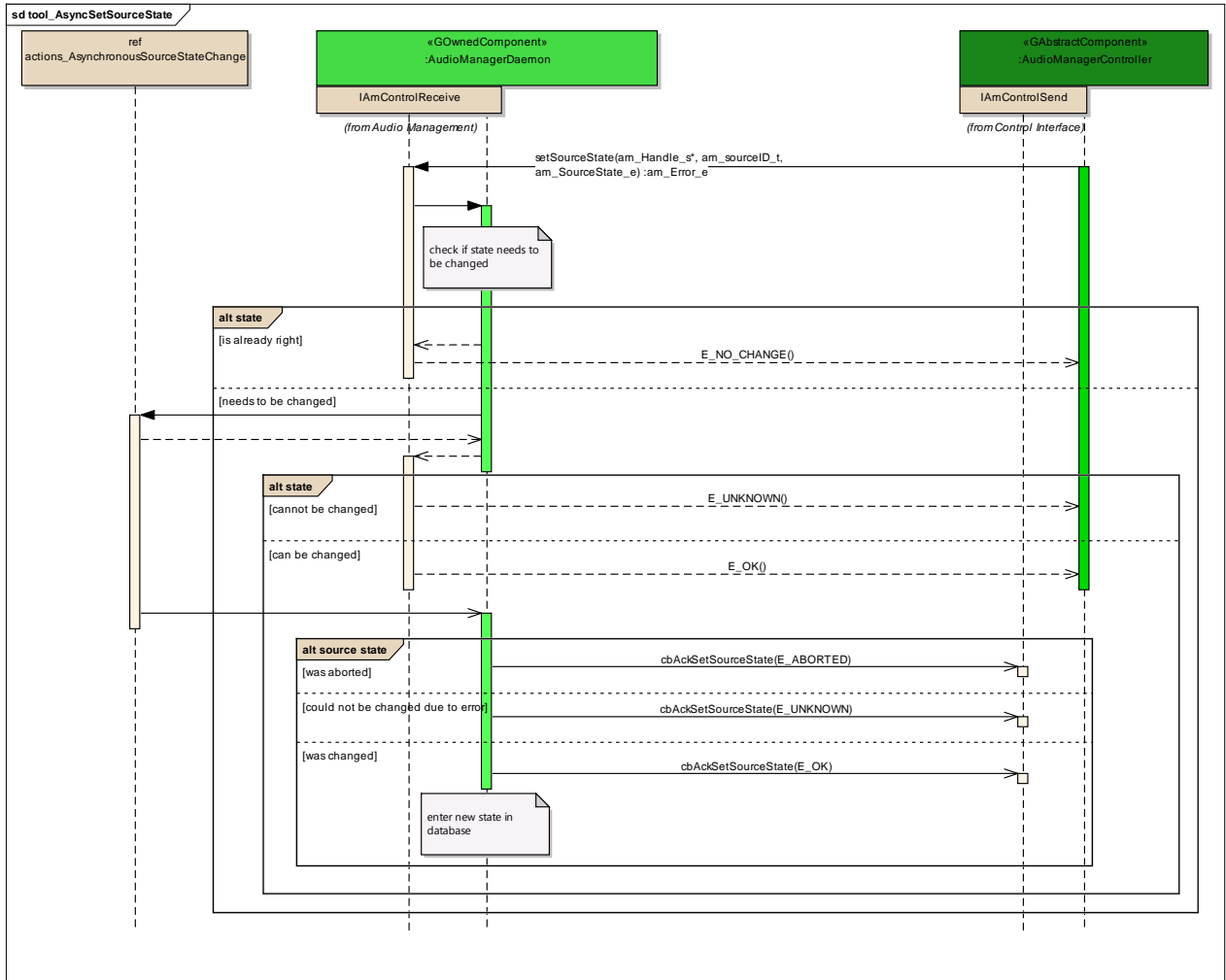


Figure: 6

### actions\_AsynchronousSourceStateChange

**Type:** InteractionOccurrence  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** tool\_AsyncSetSourceState *Keywords:*  
**Detail:** Created on 08.09.2011. Last modified on 11.10.2011.  
**GUID:** {A64B4922-629E-4c61-89F7-AF02F0B56AB2}

#### Connections

Connector	Source	Target	Notes
<b>Sequence</b> Source -> Destination	Public <anonymous>	Public actions_AsynchronousSourceStateChange	
<b>Sequence</b> Source -> Destination	Public actions_AsynchronousSourceStateChange	Public <anonymous>	

Connector	Source	Target	Notes
<b>Sequence</b> Source -> Destination	Public actions_AsynchronousS ourceStateChange	Public <anonymous>	

## source state

**Type:** InteractionFragment  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** tool\_AsyncSetSourceState *Keywords:*  
**Detail:** Created on 30.09.2011. Last modified on 30.09.2011.  
**GUID:** {C9416652-8662-4d8a-A67C-F254768BD81C}

## state

**Type:** InteractionFragment  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** tool\_AsyncSetSourceState *Keywords:*  
**Detail:** Created on 08.09.2011. Last modified on 08.09.2011.  
**GUID:** {B3471CAB-BC2F-400d-981E-A426BAD3D1C4}

## state

**Type:** InteractionFragment  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** tool\_AsyncSetSourceState *Keywords:*  
**Detail:** Created on 08.09.2011. Last modified on 08.09.2011.  
**GUID:** {A51AD54D-6D81-4cab-85F5-4A37AAC72863}

## tool\_AsyncSetSourceVolume

**Type:** Package  
**Status:** Reworked. Version 1.0. Phase 1.0.  
**Package:** Toolbox  
**Detail:** Created on 05.09.2011. Last modified on 11.10.2011  
**GUID:** {3887BA01-B6BB-4d22-A129-E0D3BECC358}

**tool\_AsyncSetSourceVolume** - (Interaction diagram)



Created By: christian on 05.09.2011  
 Last Modified: 11.10.2011  
 Version: 1.0. Locked: False  
 GUID: {4B8A8FAD-8734-4682-81D3-5CC013468D43}

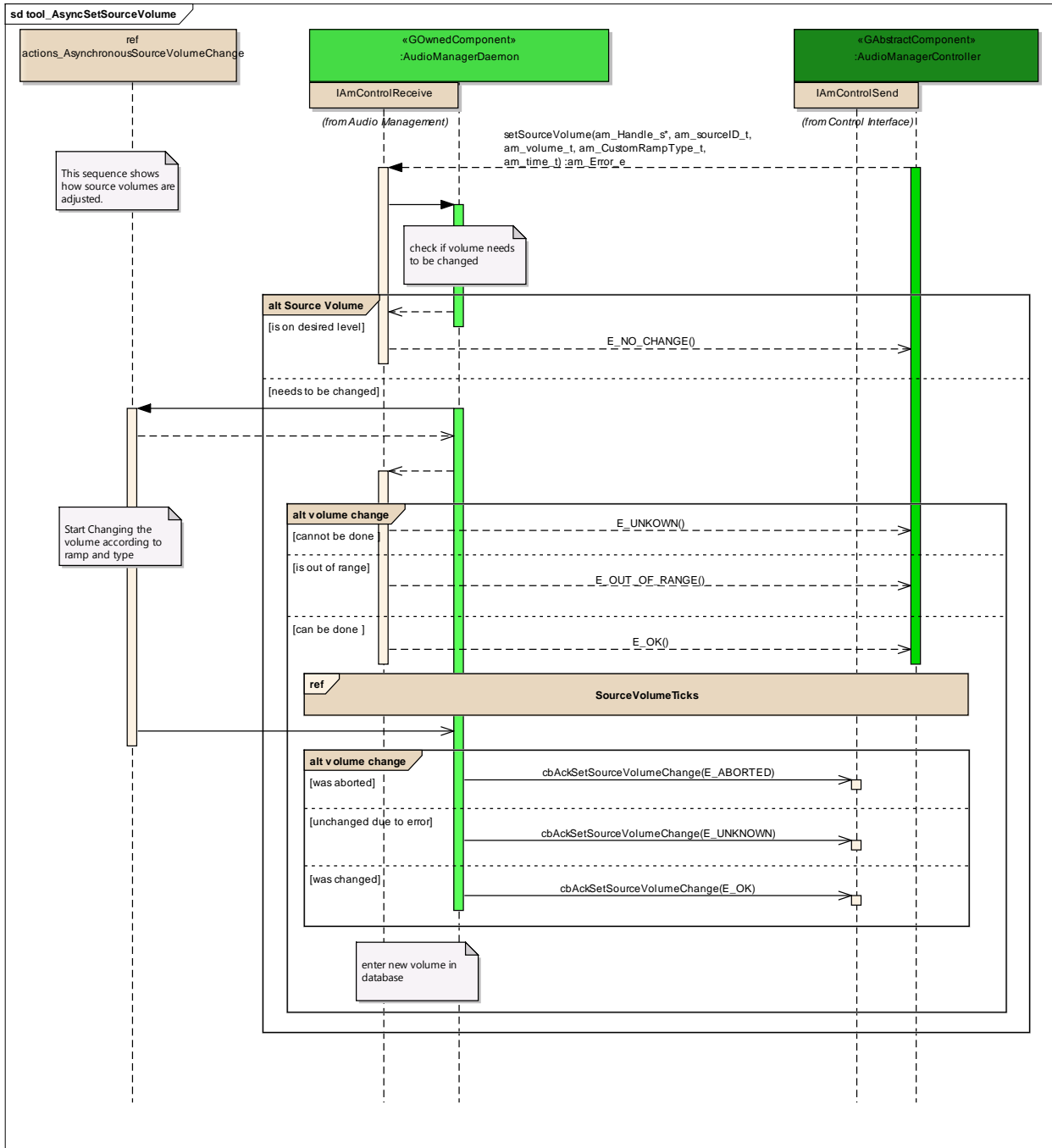


Figure: 7

## Source Volume

Type: **InteractionFragment**  
 Status: Proposed. Version 1.0. Phase 1.0.  
 Package: tool\_AsyncSetSourceVolume *Keywords:*

*Detail:* Created on 08.09.2011. Last modified on 08.09.2011.  
*GUID:* {BA816171-81EC-4dac-B456-AFFD76D1245D}

## SourceVolumeTicks

*Type:* **InteractionOccurrence**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* tool\_AsyncSetSourceVolume *Keywords:*  
*Detail:* Created on 04.10.2011. Last modified on 04.10.2011.  
*GUID:* {809A42C5-6F57-4964-9A66-3D1C6A967103}

## actions\_AsynchronousSourceVolumeChange

*Type:* **InteractionOccurrence**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* tool\_AsyncSetSourceVolume *Keywords:*  
*Detail:* Created on 05.09.2011. Last modified on 11.10.2011.  
*GUID:* {617863F3-4D31-4bf9-B301-3E44269FBD6B}

### Connections

Connector	Source	Target	Notes
<b>Sequence</b> Source -> Destination	Public <anonymous>	Public actions_AsynchronousS ourceVolumeChange	
<b>Sequence</b> Source -> Destination	Public actions_AsynchronousS ourceVolumeChange	Public <anonymous>	
<b>Sequence</b> Source -> Destination	Public actions_AsynchronousS ourceVolumeChange	Public <anonymous>	

## volume change

*Type:* **InteractionFragment**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* tool\_AsyncSetSourceVolume *Keywords:*  
*Detail:* Created on 04.10.2011. Last modified on 04.10.2011.  
*GUID:* {B59B6D47-79DD-4628-9F11-C78ABA6C83F9}

## **volume change**

*Type:* **InteractionFragment**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* tool\_AsyncSetSourceVolume *Keywords:*  
*Detail:* Created on 05.09.2011. Last modified on 05.09.2011.  
*GUID:* {7ACDC340-3461-4845-BEDC-AFCFFC6A0782}

## **tool\_AsyncSetSinkVolume**

*Type:* **Package**  
*Status:* Reworked. Version 1.0. Phase 1.0.  
*Package:* Toolbox  
*Detail:* Created on 06.09.2011. Last modified on 12.04.2012  
*GUID:* {FDE8B250-96A8-476c-80AD-DBF77354CF90}

### **tool\_AsyncSetSinkVolume** - (Interaction diagram)

*Created By:* christian on 06.09.2011  
*Last Modified:* 29.11.2012  
*Version:* 1.0. *Locked:* False  
*GUID:* {B26BD11E-514E-46ec-81E5-9D70CE165FD9}

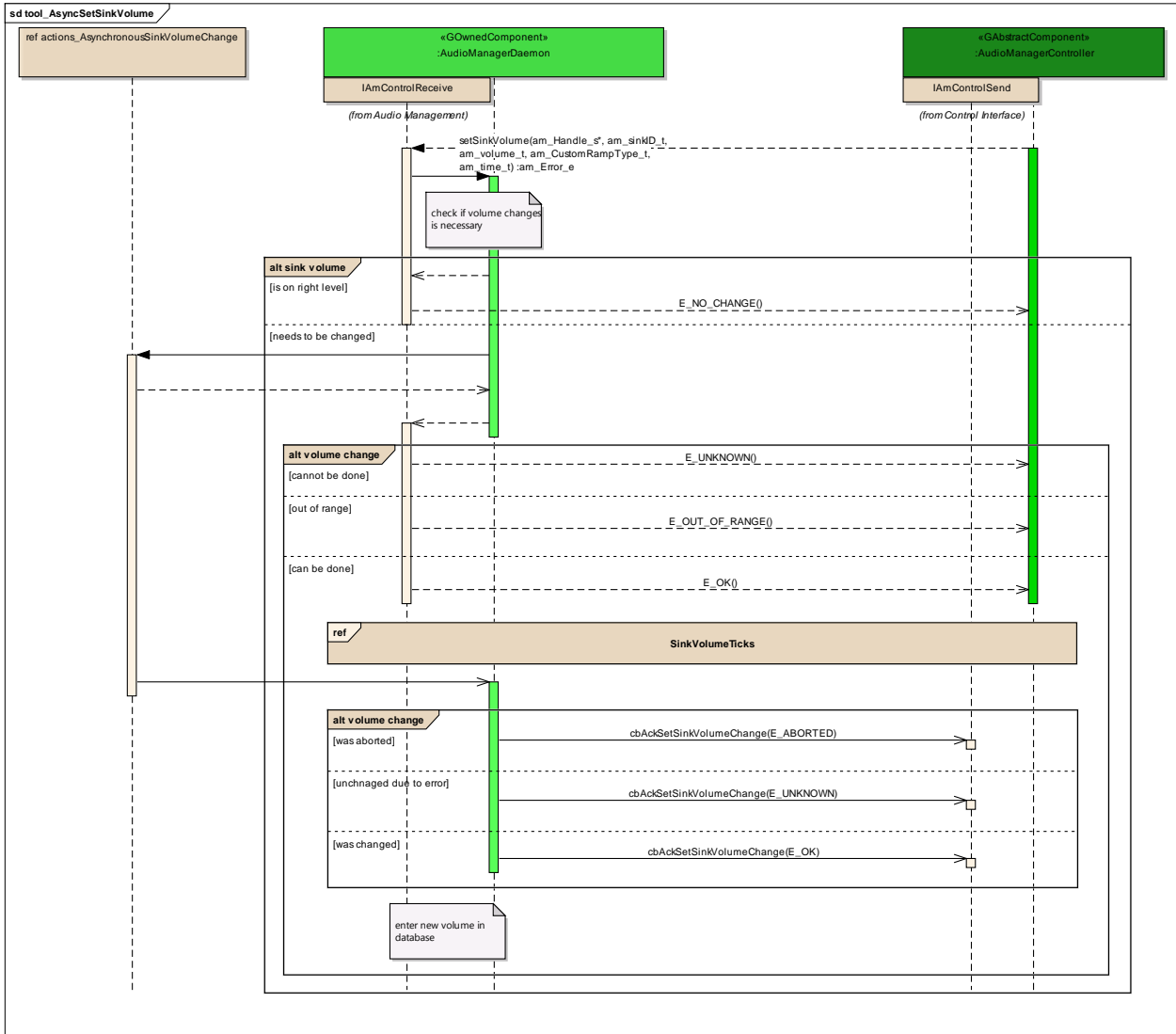


Figure: 8

## SinkVolumeTicks

Type: **InteractionOccurrence**  
 Status: Proposed. Version 1.0. Phase 1.0.  
 Package: tool\_AsyncSetSinkVolume *Keywords:*  
 Detail: Created on 04.10.2011. Last modified on 04.10.2011.  
 GUID: {E06AB8EA-4F29-4d21-8540-B80FFFBE7C19}

## actions\_AsyncSetSinkVolumeChange

Type: **InteractionOccurrence**  
 Status: Proposed. Version 1.0. Phase 1.0.  
 Package: tool\_AsyncSetSinkVolume *Keywords:*  
 Detail: Created on 06.09.2011. Last modified on 11.10.2011.

**GUID:** {930941AE-1CC3-47b4-97DF-61B225E3C1A2}

### Connections

Connector	Source	Target	Notes
<b>Sequence</b> Source -> Destination	Public <anonymous>	Public actions_AsynchronousSinkVolumeChange	
<b>Sequence</b> Source -> Destination	Public actions_AsynchronousSinkVolumeChange	Public <anonymous>	
<b>Sequence</b> Source -> Destination	Public actions_AsynchronousSinkVolumeChange	Public <anonymous>	

### **sink volume**

**Type:** InteractionFragment  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** tool\_AsyncSetSinkVolume **Keywords:**  
**Detail:** Created on 08.09.2011. Last modified on 04.10.2011.  
**GUID:** {5F5971A5-1D23-4622-843D-7C7AF309D25C}

### **volume change**

**Type:** InteractionFragment  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** tool\_AsyncSetSinkVolume **Keywords:**  
**Detail:** Created on 06.09.2011. Last modified on 06.09.2011.  
**GUID:** {F21A0DBA-0680-4bc4-8964-71C9150D8426}

### **volume change**

**Type:** InteractionFragment  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** tool\_AsyncSetSinkVolume **Keywords:**  
**Detail:** Created on 04.10.2011. Last modified on 04.10.2011.  
**GUID:** {C13CF26D-E278-48d1-9828-3A728A2A6672}

## tool\_AsyncStopAction

Type: **Package**  
 Status: Reworked. Version 1.0. Phase 1.0.  
 Package: Toolbox  
 Detail: Created on 08.09.2011. Last modified on 11.10.2011  
 GUID: {A6C0F29B-5F9B-4c6a-BE4B-92B401761716}

### tool\_AsyncStopAction - (Interaction diagram)

Created By: christian on 08.09.2011  
 Last Modified: 11.10.2011  
 Version: 1.0. Locked: False  
 GUID: {2AE56F06-C73A-4899-B5A7-F5F514878838}

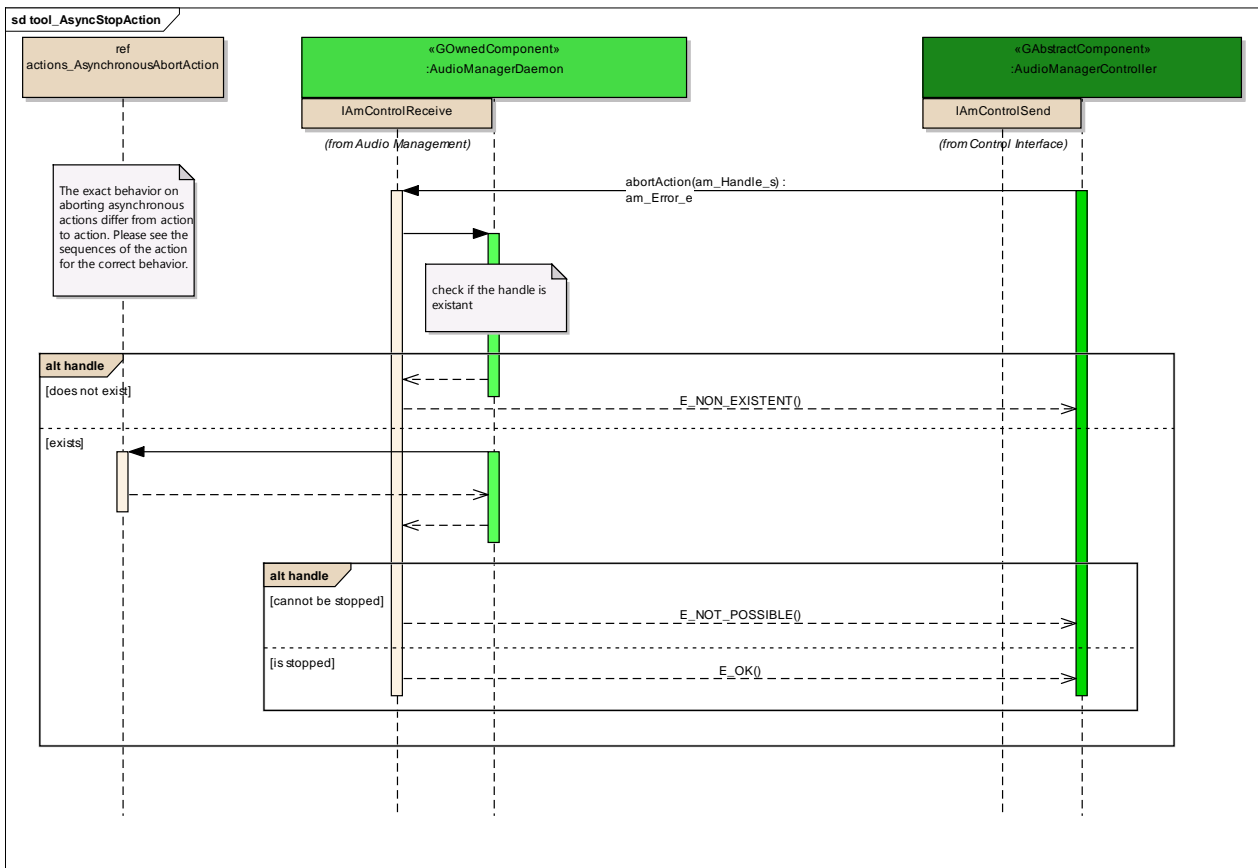


Figure: 9

## actions\_AynchronousAbortAction

Type: **InteractionOccurrence**  
 Status: Proposed. Version 1.0. Phase 1.0.  
 Package: tool\_AsyncStopAction *Keywords:*  
 Detail: Created on 08.09.2011. Last modified on 11.10.2011.  
 GUID: {29BF4CA5-10EA-4fd0-AE78-5358D2C9E9A9}

Connections

Connector	Source	Target	Notes
<b>Sequence</b> Source -> Destination	Public <anonymous>	Public actions_Asynchronous AbortAction	
<b>Sequence</b> Source -> Destination	Public actions_Asynchronous AbortAction	Public <anonymous>	

**handle**

**Type:** InteractionFragment  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** tool\_AsyncStopAction **Keywords:**  
**Detail:** Created on 08.09.2011. Last modified on 08.09.2011.  
**GUID:** {2CC3C37E-93D4-4e87-932A-44606D3C309D}

**handle**

**Type:** InteractionFragment  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** tool\_AsyncStopAction **Keywords:**  
**Detail:** Created on 08.09.2011. Last modified on 08.09.2011.  
**GUID:** {C128FDCF-687C-4a4a-B75D-E56828835FAD}

**tool\_AsyncConnection**

**Type:** Package  
**Status:** Reworked. Version 1.0. Phase 1.0.  
**Package:** Toolbox  
**Detail:** Created on 24.08.2011. Last modified on 11.10.2011  
**GUID:** {5DC2BDF9-DB07-4419-9974-C4205EBF69D5}

**tool\_AsyncConnection** - (Interaction diagram)

**Created By:** christian on 24.08.2011  
**Last Modified:** 01.12.2011  
**Version:** 1.0. **Locked:** False  
**GUID:** {C381D56A-FBB4-45fd-B7D9-54713CD34CF8}

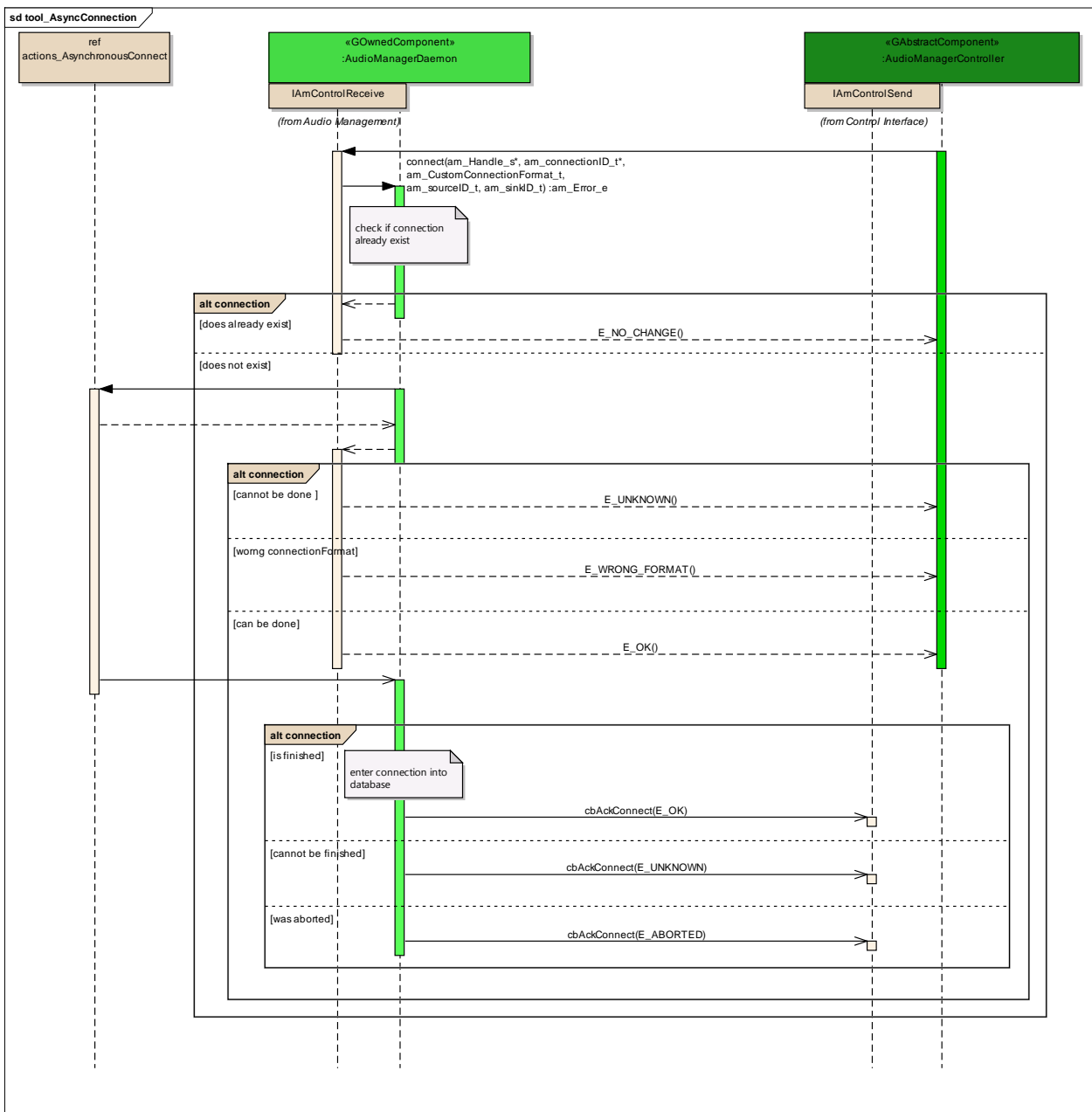


Figure: 10

### actions\_AsyncConnect

**Type:** InteractionOccurrence  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** tool\_AsyncConnection *Keywords:*  
**Detail:** Created on 24.08.2011. Last modified on 11.10.2011.  
**GUID:** {9EE59FB3-71ED-4f79-9279-C8A24721B91C}



Connections

Connector	Source	Target	Notes
<b>Sequence</b> Source -> Destination	Public <anonymous>	Public actions_Asynchronous Connect	
<b>Sequence</b> Source -> Destination	Public actions_Asynchronous Connect	Public <anonymous>	
<b>Sequence</b> Source -> Destination	Public actions_Asynchronous Connect	Public <anonymous>	

**connection**

**Type:** **InteractionFragment**  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** tool\_AsyncConnection **Keywords:**  
**Detail:** Created on 08.09.2011. Last modified on 08.09.2011.  
**GUID:** {E486032E-E24B-465b-A47E-45C37138361B}

**connection**

**Type:** **InteractionFragment**  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** tool\_AsyncConnection **Keywords:**  
**Detail:** Created on 24.08.2011. Last modified on 24.08.2011.  
**GUID:** {963A12A0-E4D9-490a-8389-C3C6CFBE4A4C}

**connection**

**Type:** **InteractionFragment**  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** tool\_AsyncConnection **Keywords:**  
**Detail:** Created on 08.09.2011. Last modified on 08.09.2011.  
**GUID:** {6B1F3D91-D96E-49da-AA0F-3C5D1D2FA652}

**tool\_AsyncDisconnection**

**Type:** **Package**  
**Status:** Reworked. Version 1.0. Phase 1.0.  
**Package:** Toolbox  
**Detail:** Created on 24.08.2011. Last modified on 11.10.2011  
**GUID:** {A9831417-AF48-40f3-B5DD-5EDC4238976C}

**tool AsyncDisconnection** - (Interaction diagram)

**Created By:** christian on 24.08.2011  
**Last Modified:** 28.12.2011  
**Version:** 1.0. *Locked:* False  
**GUID:** {4FEC2CD1-A04C-4a85-A672-DEE4FB9CEA04}

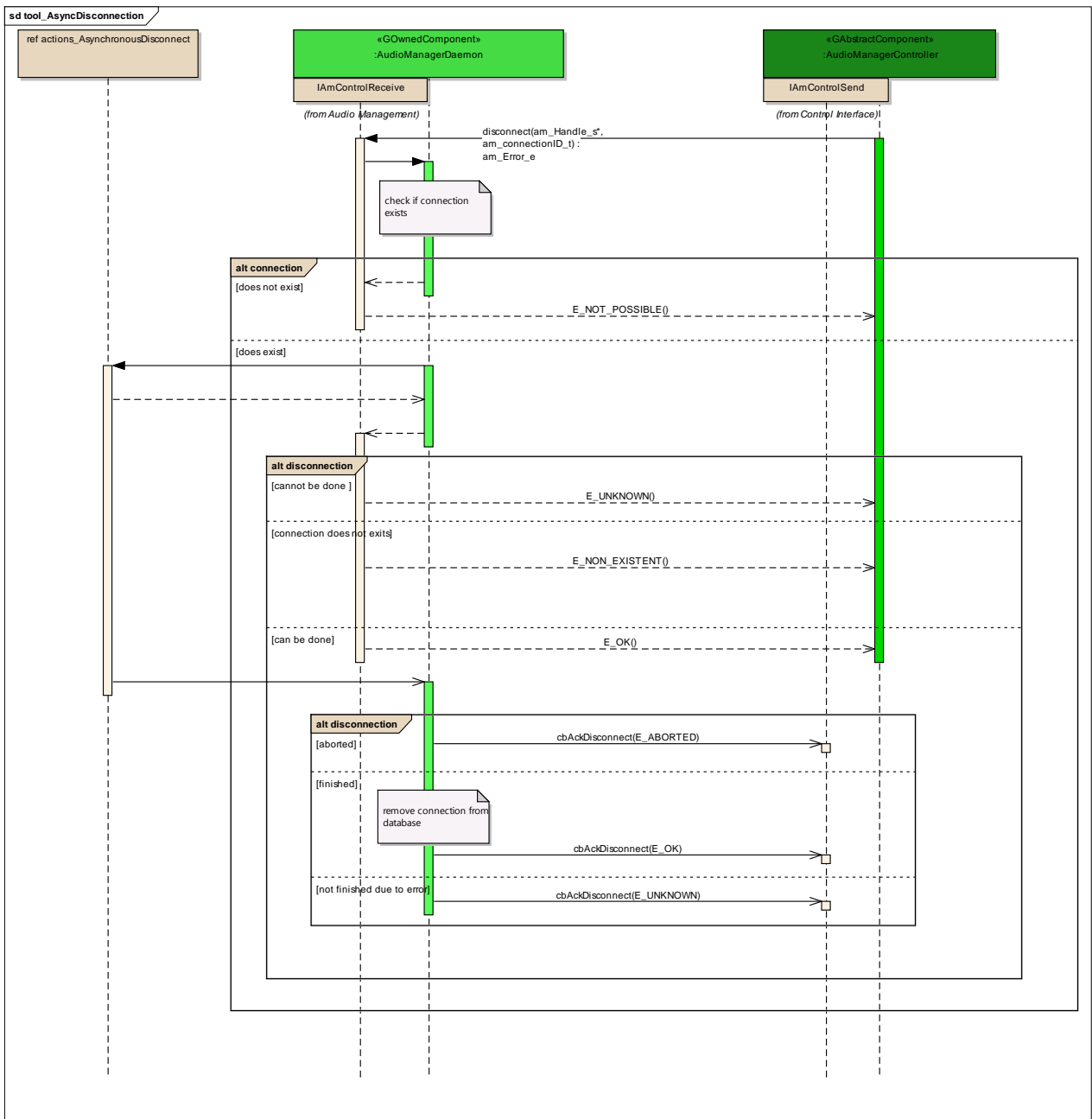


Figure: 11

## actions\_AsynchronousDisconnect

**Type:** InteractionOccurrence  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** tool\_AsyncDisconnection *Keywords:*  
**Detail:** Created on 24.08.2011. Last modified on 11.10.2011.  
**GUID:** {CA595642-5385-4c1d-B173-29F0DA3F577F}

### Connections

Connector	Source	Target	Notes
<u>Sequence</u> Source -> Destination	Public <anonymous>	Public actions_Asynchronous Disconnect	
<u>Sequence</u> Source -> Destination	Public actions_Asynchronous Disconnect	Public <anonymous>	
<u>Sequence</u> Source -> Destination	Public actions_Asynchronous Disconnect	Public <anonymous>	

## connection

**Type:** InteractionFragment  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** tool\_AsyncDisconnection *Keywords:*  
**Detail:** Created on 05.10.2011. Last modified on 05.10.2011.  
**GUID:** {C8E88406-8F83-4e47-9860-935592B13041}

## disconnection

**Type:** InteractionFragment  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** tool\_AsyncDisconnection *Keywords:*  
**Detail:** Created on 24.08.2011. Last modified on 24.08.2011.  
**GUID:** {409D4597-B366-4378-8604-E090944FC858}

## disconnection

**Type:** InteractionFragment  
**Status:** Proposed. Version 1.0. Phase 1.0.

*Package:* tool\_AsyncDisconnection *Keywords:*  
*Detail:* Created on 05.10.2011. Last modified on 05.10.2011.  
*GUID:* {620ECFE3-3AA1-44a1-8F7E-5BBF8FE4951F}

## **tool\_AsyncSetSourceSoundProperty**

*Type:* **Package**  
*Status:* Reworked. Version 1.0. Phase 1.0.  
*Package:* Toolbox  
*Detail:* Created on 06.09.2011. Last modified on 11.10.2011  
*GUID:* {635AB6EB-A89F-4380-948B-0E9B93C273E8}

### **tool\_AsyncSetSourceSoundProperty** - (Interaction diagram)

*Created By:* christian on 06.09.2011  
*Last Modified:* 11.10.2011  
*Version:* 1.0. *Locked:* False  
*GUID:* {16C71D1C-80D3-447b-9053-B6046D2591E6}

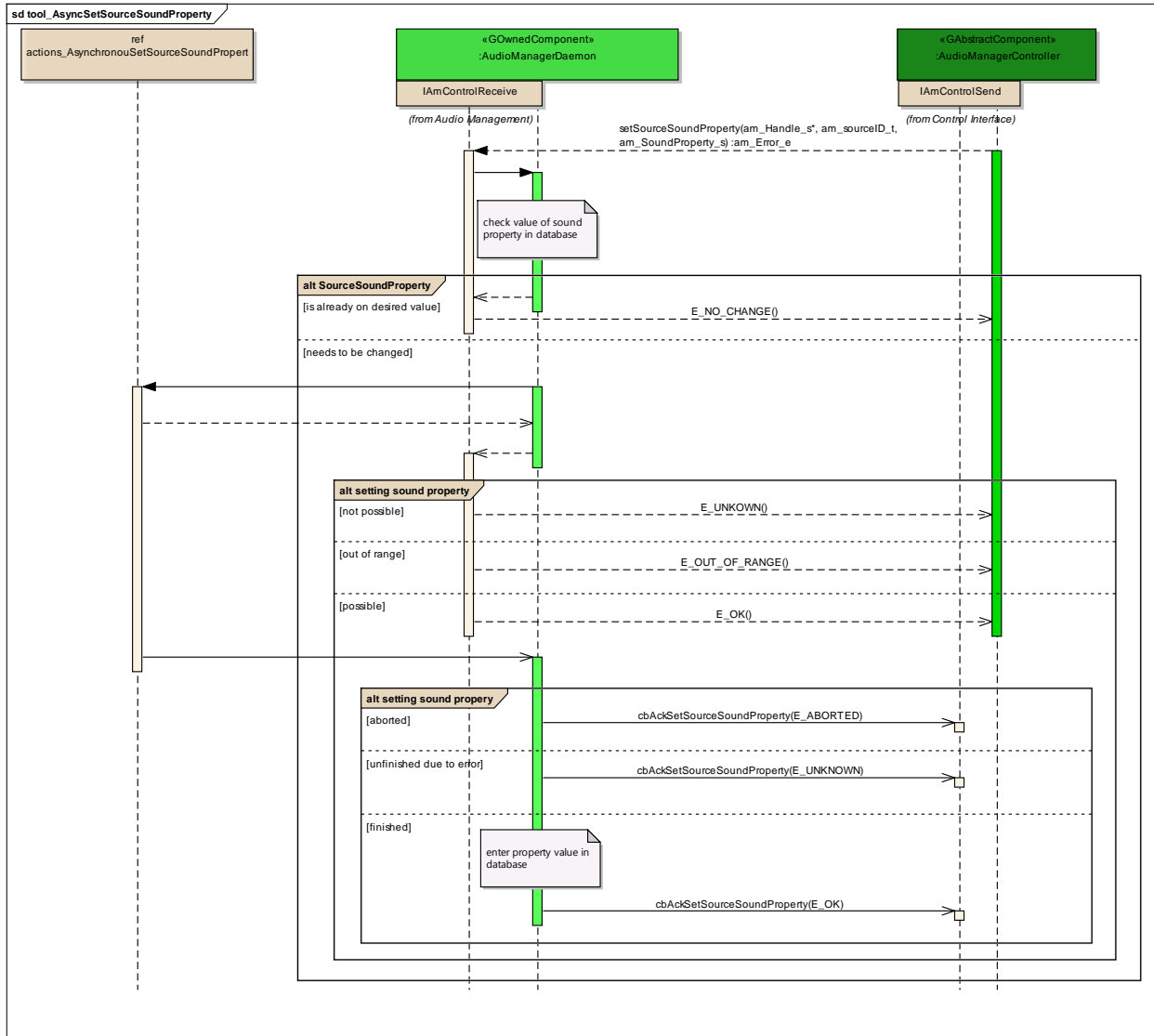


Figure: 12

### SourceSoundProperty

Type: **InteractionFragment**  
 Status: Proposed. Version 1.0. Phase 1.0.  
 Package: tool\_AsyncSetSourceSoundProperty *Keywords:*  
 Detail: Created on 08.09.2011. Last modified on 08.09.2011.  
 GUID: {6B4045B4-D75E-4612-BD9F-8A6A9883467C}

### actions\_AsynchrouSetSourceSoundPropert

Type: **InteractionOccurrence**  
 Status: Proposed. Version 1.0. Phase 1.0.  
 Package: tool\_AsyncSetSourceSoundProperty *Keywords:*

*Detail:* Created on 06.09.2011. Last modified on 11.10.2011.  
*GUID:* {55EB9DCE-96F9-4de1-B035-AD492A30080C}

### Connections

Connector	Source	Target	Notes
<b>Sequence</b> Source -> Destination	Public <anonymous>	Public actions_AsynchrouSe tSourceSoundPropert	
<b>Sequence</b> Source -> Destination	Public actions_AsynchrouSe tSourceSoundPropert	Public <anonymous>	
<b>Sequence</b> Source -> Destination	Public actions_AsynchrouSe tSourceSoundPropert	Public <anonymous>	

### **setting sound property**

*Type:* **InteractionFragment**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* tool\_AsyncSetSourceSoundProperty *Keywords:*  
*Detail:* Created on 06.09.2011. Last modified on 06.09.2011.  
*GUID:* {35C01917-4666-4080-9C1A-E77DA0EB776C}

### **setting sound property**

*Type:* **InteractionFragment**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* tool\_AsyncSetSourceSoundProperty *Keywords:*  
*Detail:* Created on 05.10.2011. Last modified on 05.10.2011.  
*GUID:* {AECD44AD-857D-446b-B110-607842CF472E}

### **tool\_AsyncSetSinkSoundProperty**

*Type:* **Package**  
*Status:* Reworked. Version 1.0. Phase 1.0.  
*Package:* Toolbox  
*Detail:* Created on 15.09.2011. Last modified on 11.10.2011  
*GUID:* {B46AB621-8262-4572-A361-DD52B5277A91}

**tool\_AsyncSetSinkSoundProperty** - (Interaction diagram)

Created By: christian on 15.09.2011  
 Last Modified: 11.10.2011  
 Version: 1.0. Locked: False  
 GUID: {D03A41B1-B24D-49aa-9EFF-B87FBE4E052B}

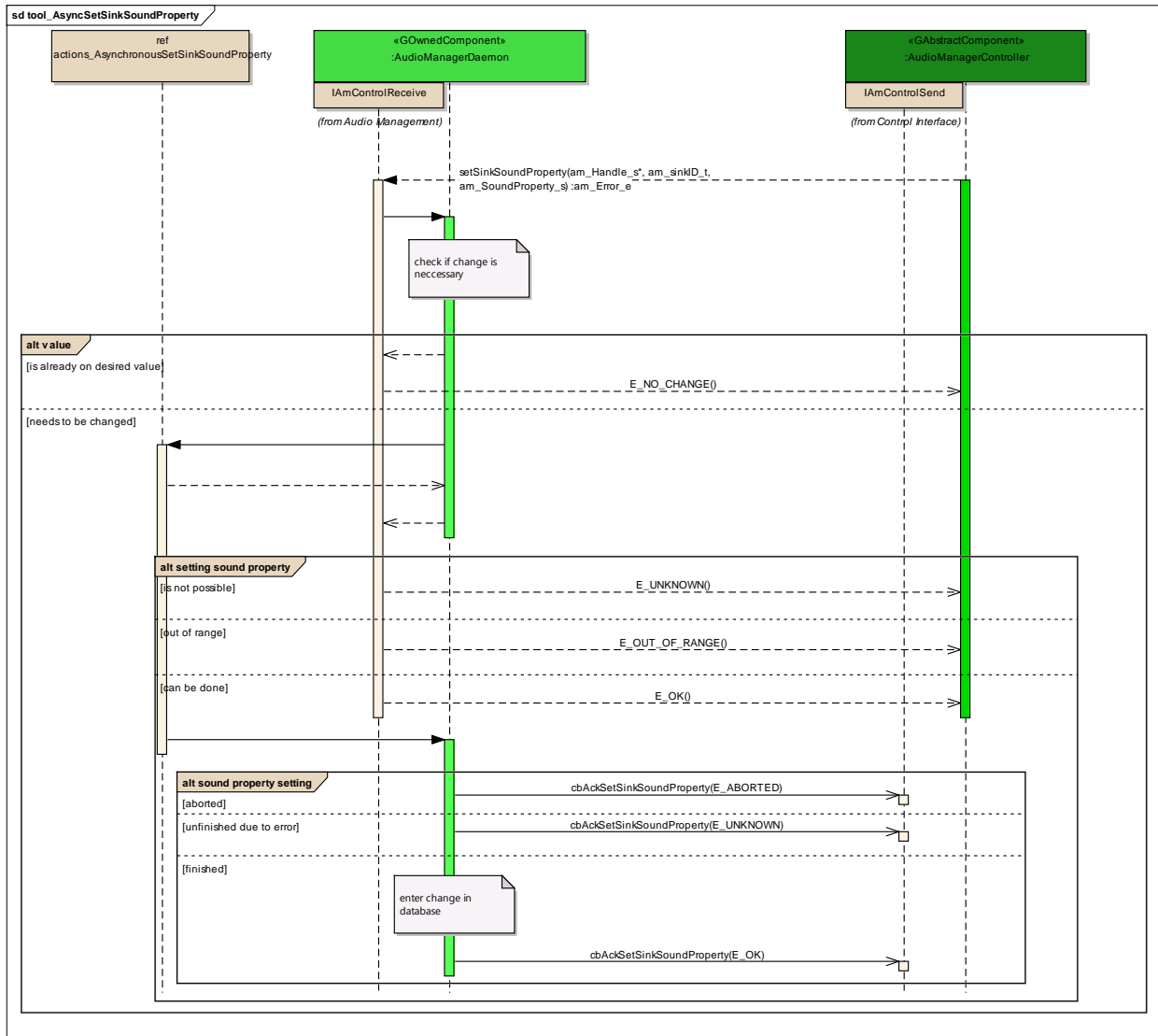


Figure: 13

**actions\_AsyncronousSetSinkSoundProperty**

Type: **InteractionOccurrence**  
 Status: Proposed. Version 1.0. Phase 1.0.  
 Package: tool\_AsyncSetSinkSoundProperty *Keywords:*  
 Detail: Created on 22.09.2011. Last modified on 11.10.2011.  
 GUID: {5700B8B7-2134-4c07-87AC-97D632D95620}

**Connections**

Connector	Source	Target	Notes
<b>Sequence</b> Source -> Destination	Public <anonymous>	Public actions_AsyncSetSinkSoundProperty	
<b>Sequence</b> Source -> Destination	Public actions_AsyncSetSinkSoundProperty	Public <anonymous>	
<b>Sequence</b> Source -> Destination	Public actions_AsyncSetSinkSoundProperty	Public <anonymous>	

**setting sound property**

**Type:** **InteractionFragment**  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** tool\_AsyncSetSinkSoundProperty **Keywords:**  
**Detail:** Created on 22.09.2011. Last modified on 22.09.2011.  
**GUID:** {BE8BE259-A14E-48d7-934B-FAD11614F1C1}

**sound property setting**

**Type:** **InteractionFragment**  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** tool\_AsyncSetSinkSoundProperty **Keywords:**  
**Detail:** Created on 07.10.2011. Last modified on 07.10.2011.  
**GUID:** {7B2E5CC6-B59A-442e-B875-0E7AE2F116A2}

**value**

**Type:** **InteractionFragment**  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** tool\_AsyncSetSinkSoundProperty **Keywords:**  
**Detail:** Created on 22.09.2011. Last modified on 22.09.2011.  
**GUID:** {772BD1C6-E4AF-40dc-B5F4-759C13E936A8}



## tool\_AsyncCrossFade

Type: **Package**  
 Status: Proposed. Version 1.0. Phase 1.0.  
 Package: Toolbox  
 Detail: Created on 07.09.2011. Last modified on 12.10.2011  
 GUID: {6DE9E3B2-1F7D-4f5c-8B02-F1FF395C20F5}

### tool\_AsyncCrossFade - (Interaction diagram)

Created By: christian on 07.09.2011  
 Last Modified: 12.10.2011  
 Version: 1.0. Locked: False  
 GUID: {7B2654FD-485F-41c6-B5DE-C9D4BAA68983}

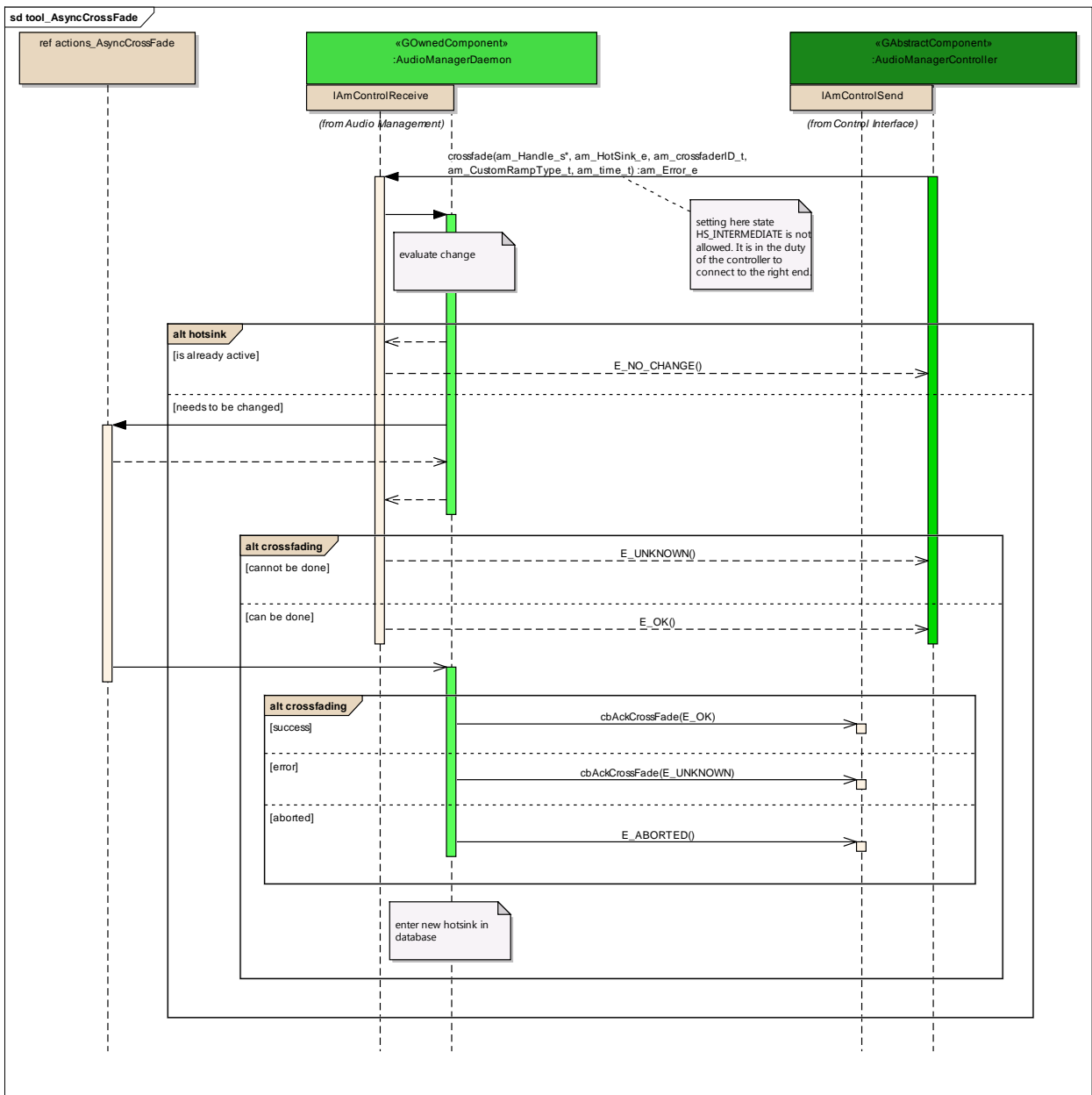


Figure: 14

## actions\_AsyncCrossFade

*Type:* **InteractionOccurrence**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* tool\_AsyncCrossFade *Keywords:*  
*Detail:* Created on 12.10.2011. Last modified on 12.10.2011.  
*GUID:* {FBF0561A-3DA6-451e-95A4-496CDD2CC299}

### Connections

Connector	Source	Target	Notes
<b><u>Sequence</u></b> Source -> Destination	Public <anonymous>	Public actions_AsyncCrossFad e	
<b><u>Sequence</u></b> Source -> Destination	Public actions_AsyncCrossFad e	Public <anonymous>	
<b><u>Sequence</u></b> Source -> Destination	Public actions_AsyncCrossFad e	Public <anonymous>	

## crossfading

*Type:* **InteractionFragment**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* tool\_AsyncCrossFade *Keywords:*  
*Detail:* Created on 12.10.2011. Last modified on 12.10.2011.  
*GUID:* {62EEC252-B1D7-4af3-8FAD-961FC1A162B8}

## crossfading

*Type:* **InteractionFragment**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* tool\_AsyncCrossFade *Keywords:*  
*Detail:* Created on 12.10.2011. Last modified on 12.10.2011.  
*GUID:* {3B973F2A-A377-495f-B131-138860EC255A}

## hotsink

*Type:* **InteractionFragment**  
*Status:* Proposed. Version 1.0. Phase 1.0.

*Package:* tool\_AsyncCrossFade *Keywords:*  
*Detail:* Created on 07.09.2011. Last modified on 12.10.2011.  
*GUID:* {9C6425E5-D5DE-4550-80C3-66854DC3469E}

## **r\_AsyncCrossFade**

*Type:* **InteractionOccurrence**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* tool\_AsyncCrossFade *Keywords:*  
*Detail:* Created on 07.09.2011. Last modified on 07.09.2011.  
*GUID:* {C4EC5D13-1050-42b4-8409-B1CDEAD073F9}

## **tool\_SetCommandReady**

*Type:* **Package**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* Toolbox  
*Detail:* Created on 12.10.2011. Last modified on 12.10.2011  
*GUID:* {79C5CCAE-413B-4b59-839A-EC2521B811CF}

### **tool\_SetCommandReady** - (Interaction diagram)

*Created By:* christian on 12.10.2011  
*Last Modified:* 12.10.2011  
*Version:* 1.0. *Locked:* False  
*GUID:* {58360405-E6EA-479f-857B-3D9D4B9B2E01}

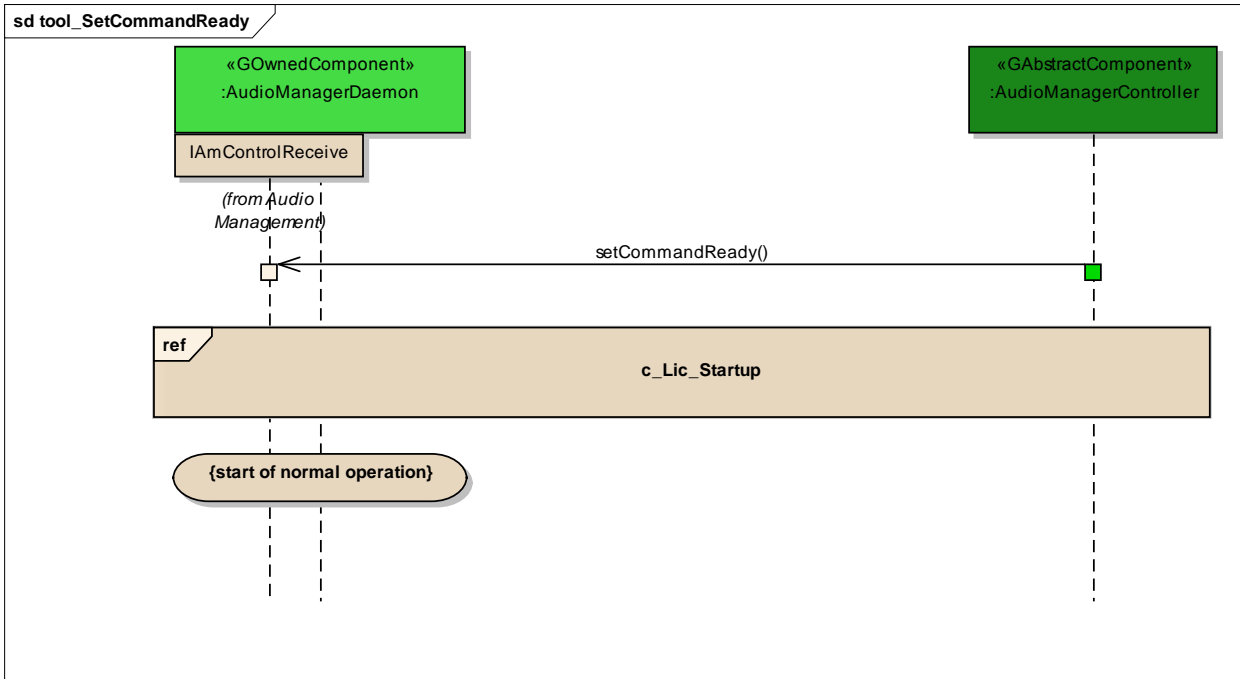


Figure: 15

### c\_Lic\_Startup

**Type:** InteractionOccurrence  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** tool\_SetCommandReady *Keywords:*  
**Detail:** Created on 12.10.2011. Last modified on 12.10.2011.  
**GUID:** {81F765B0-9153-4168-9A2C-9C397B77E7F0}

### tool\_SetRoutingReady

**Type:** Package  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** Toolbox  
**Detail:** Created on 12.10.2011. Last modified on 12.10.2011  
**GUID:** {13F97391-A629-4638-99F5-A0ACDB1124E7}

#### tool\_SetRoutingReady - (Interaction diagram)

**Created By:** christian on 12.10.2011  
**Last Modified:** 12.10.2011  
**Version:** 1.0. *Locked:* False  
**GUID:** {99BED923-360E-4df4-AD6F-74DDBFB26E48}

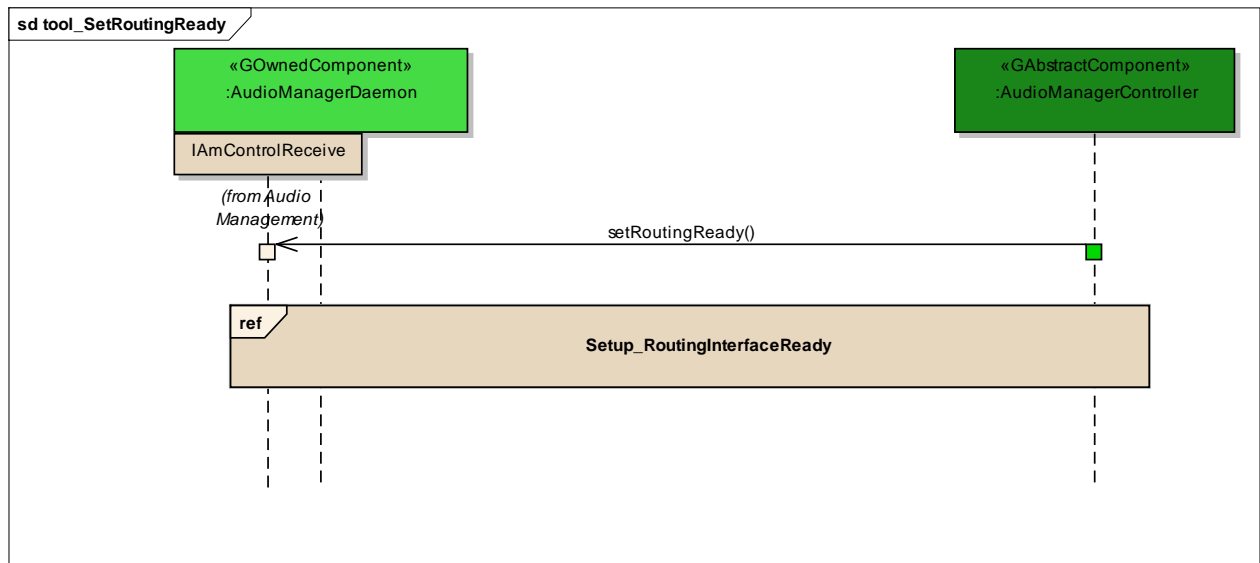


Figure: 16

## Setup\_RoutingInterfaceReady

**Type:** InteractionOccurrence  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** tool\_SetRoutingReady **Keywords:**  
**Detail:** Created on 12.10.2011. Last modified on 12.10.2011.  
**GUID:** {F5EE53F3-F5DF-44ed-9DA0-5060AD7C21A2}

## tool\_SetDomainState

**Type:** Package  
**Status:** Reworked. Version 1.0. Phase 1.0.  
**Package:** Toolbox  
**Detail:** Created on 11.10.2011. Last modified on 12.10.2011  
**GUID:** {C51657D3-73EA-4f53-9829-AA4D12E8B18B}

### tool\_SetDomainState - (Interaction diagram)

**Created By:** christian on 11.10.2011  
**Last Modified:** 12.10.2011  
**Version:** 1.0. **Locked:** False  
**GUID:** {49C0F0D3-5FC9-4da9-A523-68C7B2D1E5E7}

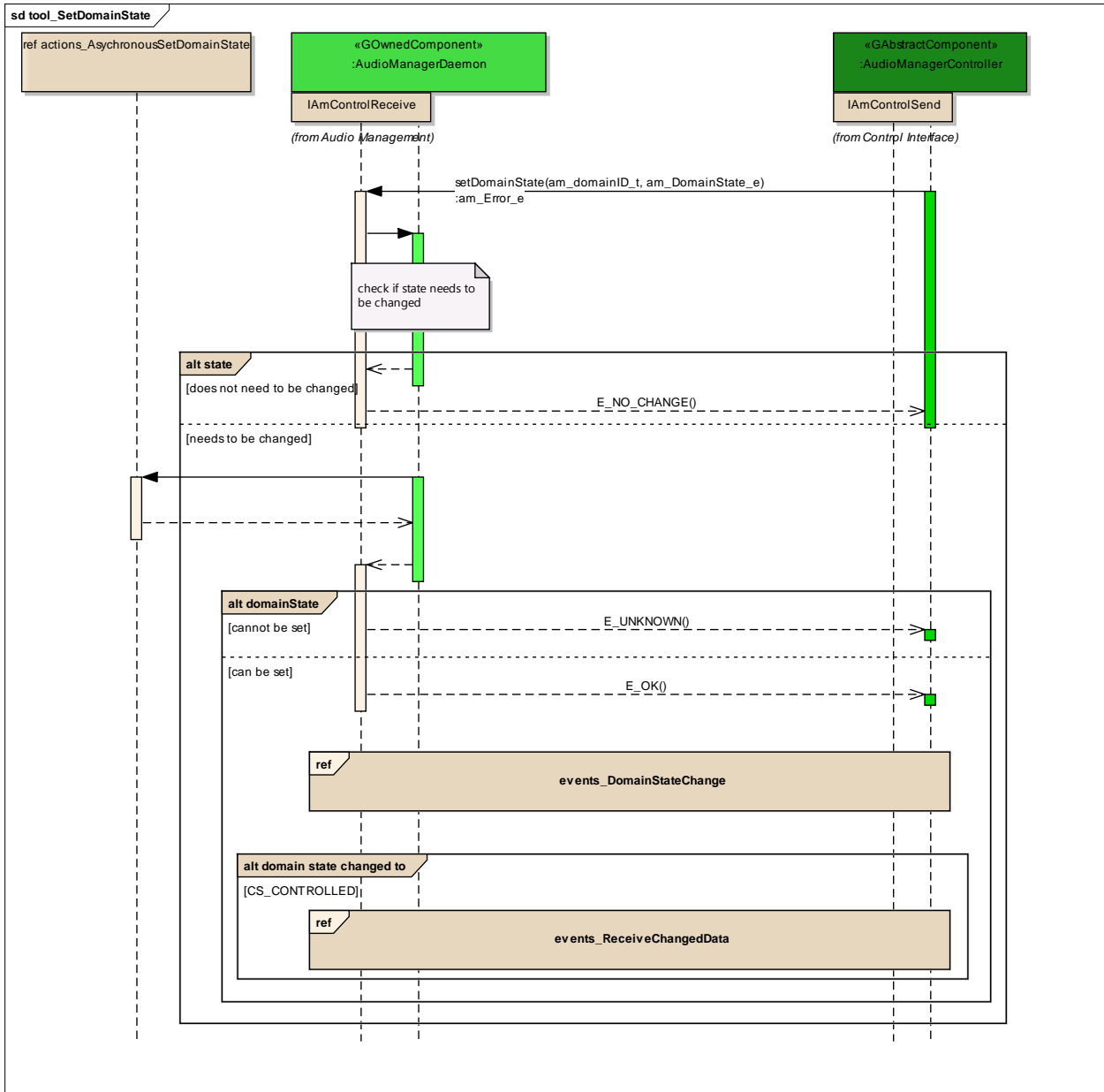


Figure: 17

### actions\_AsynchronousSetDomainState

**Type:** InteractionOccurrence  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** tool\_SetDomainState *Keywords:*  
**Detail:** Created on 11.10.2011. Last modified on 11.10.2011.  
**GUID:** {3A60057F-7D23-4284-9E93-165BBE3B82C6}

#### Connections

Connector	Source	Target	Notes
-----------	--------	--------	-------

Connector	Source	Target	Notes
<b>Sequence</b> Source -> Destination	Public <anonymous>	Public actions_AsynchronousSe tDomainState	
<b>Sequence</b> Source -> Destination	Public actions_AsynchronousSe tDomainState	Public <anonymous>	

### **domain state changed to**

**Type:** InteractionFragment  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** tool\_SetDomainState *Keywords:*  
**Detail:** Created on 12.10.2011. Last modified on 12.10.2011.  
**GUID:** {A74F546F-F328-4f29-AC2A-90A0B926147E}

### **domainState**

**Type:** InteractionFragment  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** tool\_SetDomainState *Keywords:*  
**Detail:** Created on 11.10.2011. Last modified on 11.10.2011.  
**GUID:** {3A283AFD-64C4-4813-A213-11645863518F}

### **events\_DomainStateChange**

**Type:** InteractionOccurrence  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** tool\_SetDomainState *Keywords:*  
**Detail:** Created on 12.10.2011. Last modified on 12.10.2011.  
**GUID:** {B8B2E07F-D7D3-44b6-BDEF-F98645068689}

### **events\_ReceiveChangedData**

**Type:** InteractionOccurrence  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** tool\_SetDomainState *Keywords:*  
**Detail:** Created on 12.10.2011. Last modified on 12.10.2011.  
**GUID:** {9CCEE126-22E4-46e6-8E91-65F31BE156DE}

## **state**

*Type:* **InteractionFragment**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* tool\_SetDomainState *Keywords:*  
*Detail:* Created on 11.10.2011. Last modified on 11.10.2011.  
*GUID:* {97873870-46BF-4e72-A29A-0B80696C5E08}

## **tool\_AsyncSetMultipleVolumes**

*Type:* **Package**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* Toolbox  
*Detail:* Created on 29.11.2012. Last modified on 29.11.2012  
*GUID:* {68383A42-EF61-431a-9293-1CB97DA9BE20}

### **tool\_AsyncSetMultipleVolumes** - (Interaction diagram)

*Created By:* q232968 on 29.11.2012  
*Last Modified:* 29.11.2012  
*Version:* 1.0. *Locked:* False  
*GUID:* {C75427B7-E8C3-481a-AFB5-F96F8C289F3E}



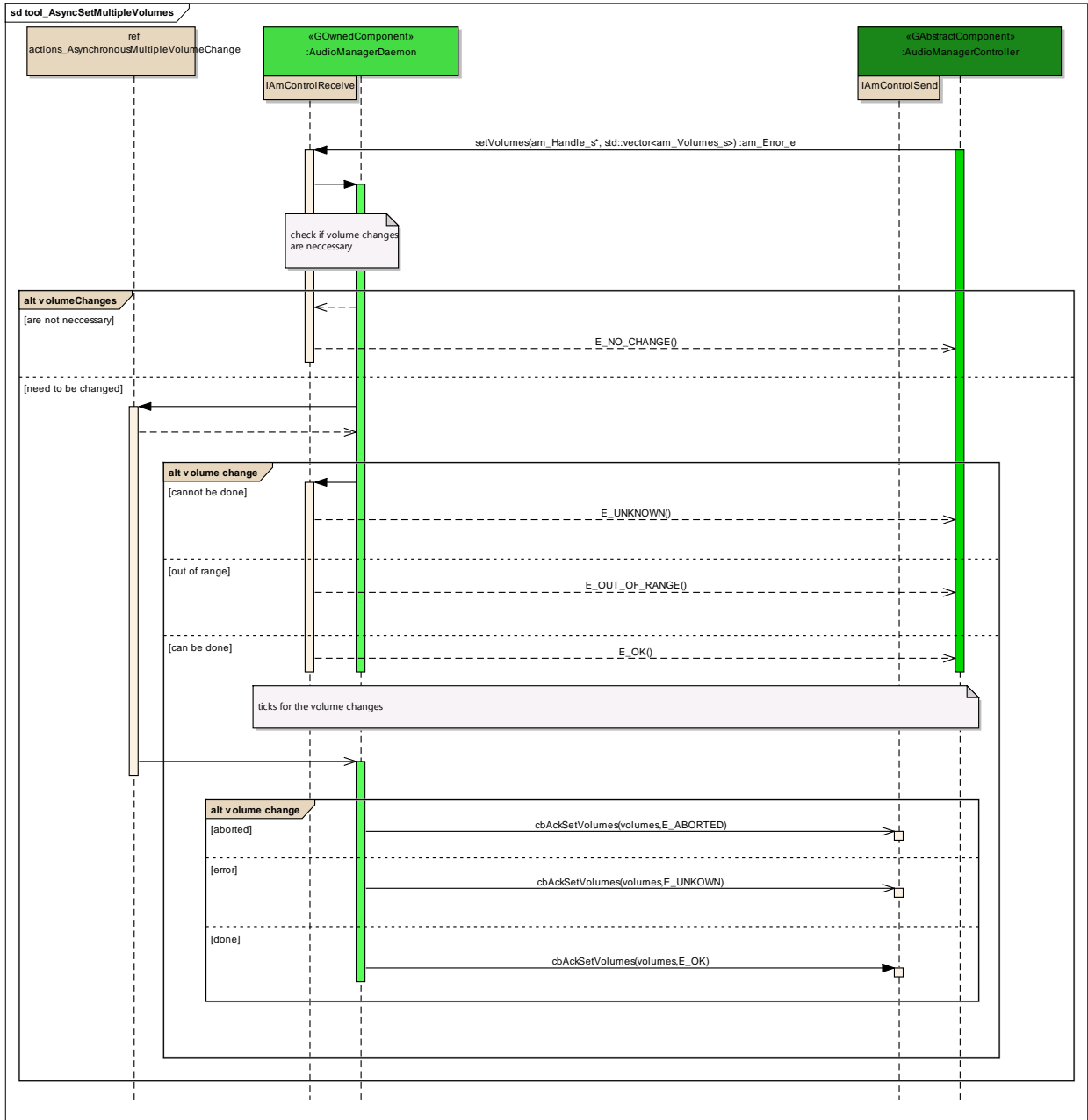


Figure: 18

### actions\_AsyncSetMultipleVolumeChange

Type: **InteractionOccurrence**  
 Status: Proposed. Version 1.0. Phase 1.0.  
 Package: tool\_AsyncSetMultipleVolumes *Keywords:*  
 Detail: Created on 29.11.2012. Last modified on 29.11.2012.  
 GUID: {073E11BA-0CCD-451f-A4D3-3B40E85DB99D}

#### Connections

Connector	Source	Target	Notes
<b>Sequence</b> Source -> Destination	Public <anonymous>	Public actions_Asynchronous MultipleVolumeChange	
<b>Sequence</b> Source -> Destination	Public actions_Asynchronous MultipleVolumeChange	Public <anonymous>	
<b>Sequence</b> Source -> Destination	Public actions_Asynchronous MultipleVolumeChange	Public <anonymous>	

## volume change

*Type:* **InteractionFragment**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* tool\_AsyncSetMultipleVolumes *Keywords:*  
*Detail:* Created on 29.11.2012. Last modified on 29.11.2012.  
*GUID:* {A0837C6B-F535-4d52-BEAC-FB63C3F25373}

## volume change

*Type:* **InteractionFragment**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* tool\_AsyncSetMultipleVolumes *Keywords:*  
*Detail:* Created on 29.11.2012. Last modified on 29.11.2012.  
*GUID:* {3812CA95-3FA7-45dc-AA57-558C65094B10}

## volumeChanges

*Type:* **InteractionFragment**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* tool\_AsyncSetMultipleVolumes *Keywords:*  
*Detail:* Created on 29.11.2012. Last modified on 29.11.2012.  
*GUID:* {3D1BD540-F1DE-43e8-8E36-D46E25267817}

## Service

*Type:* **Package**

*Status:* Reworked. Version 1.0. Phase 1.0.  
*Package:* Control Interface  
*Detail:* Created on 22.09.2011. Last modified on 10.10.2011  
*GUID:* {1BAE56DF-5A2C-40cc-9868-1B50C23827AB}

## Node State Manager

*Type:* **GNamedPlaceholder**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* Service *Keywords:*  
*Detail:* Created on 22.02.2012. Last modified on 22.02.2012.  
*GUID:* {5DCAC729-4461-4ba0-9F18-1C83184F4DB4}

This is a placeholder for the GENIVI Node State Manager that is about to come.

### Custom Properties

- isIndirectlyInstantiated = True

## service\_GetRoute

*Type:* **Package**  
*Status:* Reworked. Version 1.0. Phase 1.0.  
*Package:* Service  
*Detail:* Created on 22.09.2011. Last modified on 10.10.2011  
*GUID:* {5215F021-E9AA-437f-989C-746C3754B857}

Behind this sequence, the autorouting service of the audiomanger daemon is shown.

### service\_GetRoute - (Interaction diagram)

*Created By:* christian on 22.09.2011  
*Last Modified:* 10.10.2011  
*Version:* 1.0. *Locked:* False  
*GUID:* {F5B1809D-ADE3-413f-8FC1-351E8913DF31}

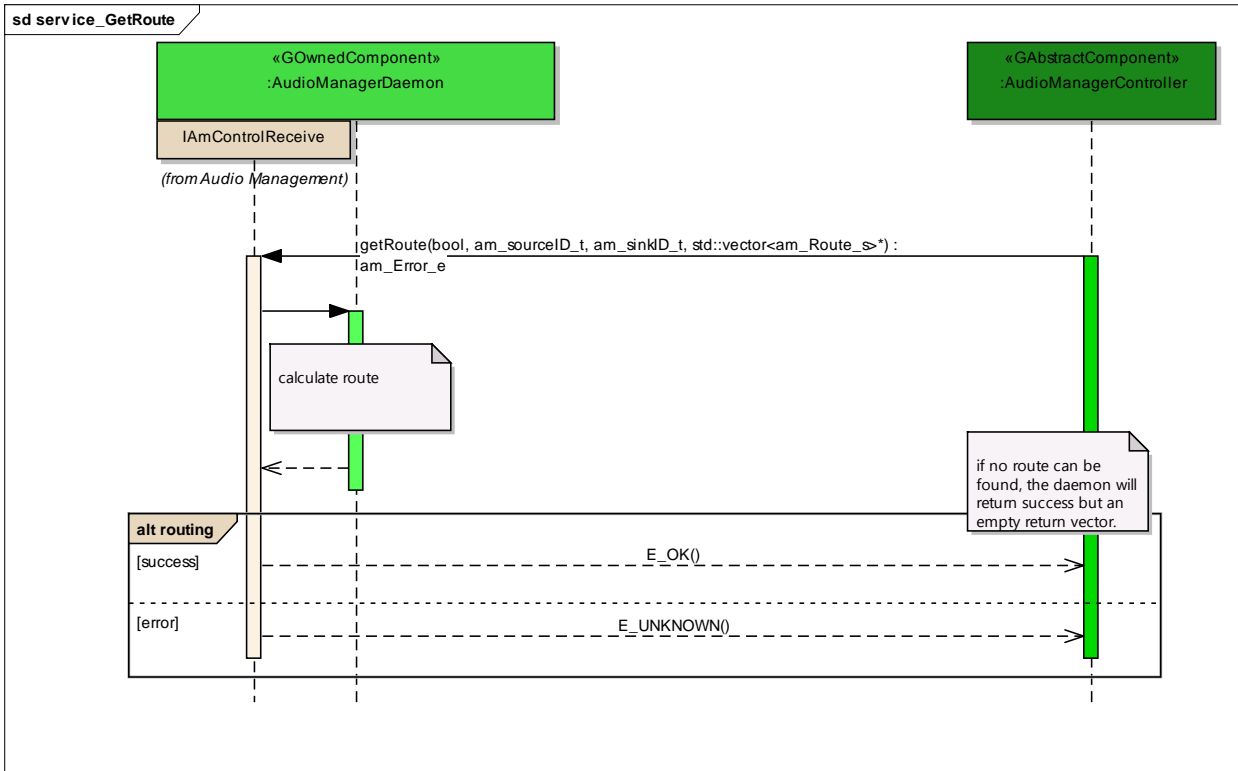


Figure: 19

## routing

**Type:** InteractionFragment  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** service\_GetRoute *Keywords:*  
**Detail:** Created on 10.10.2011. Last modified on 10.10.2011.  
**GUID:** {D240B1AF-A2B8-405f-B4EC-FE450233D913}

## service\_CancelRundown

**Type:** Package  
**Status:** . Version 1.0. Phase 1.0.  
**Package:** Service  
**Detail:** Created on 22.02.2012. Last modified on 22.02.2012  
**GUID:** {9FD618B2-CAEB-4d12-9FD6-837861E6BFAE}

### service\_CancelRundown - (Interaction diagram)

**Created By:** christian on 12.10.2011  
**Last Modified:** 23.02.2012  
**Version:** 1.0. *Locked:* False  
**GUID:** {92B355F5-9264-4a72-A2A6-F18AF05A3517}

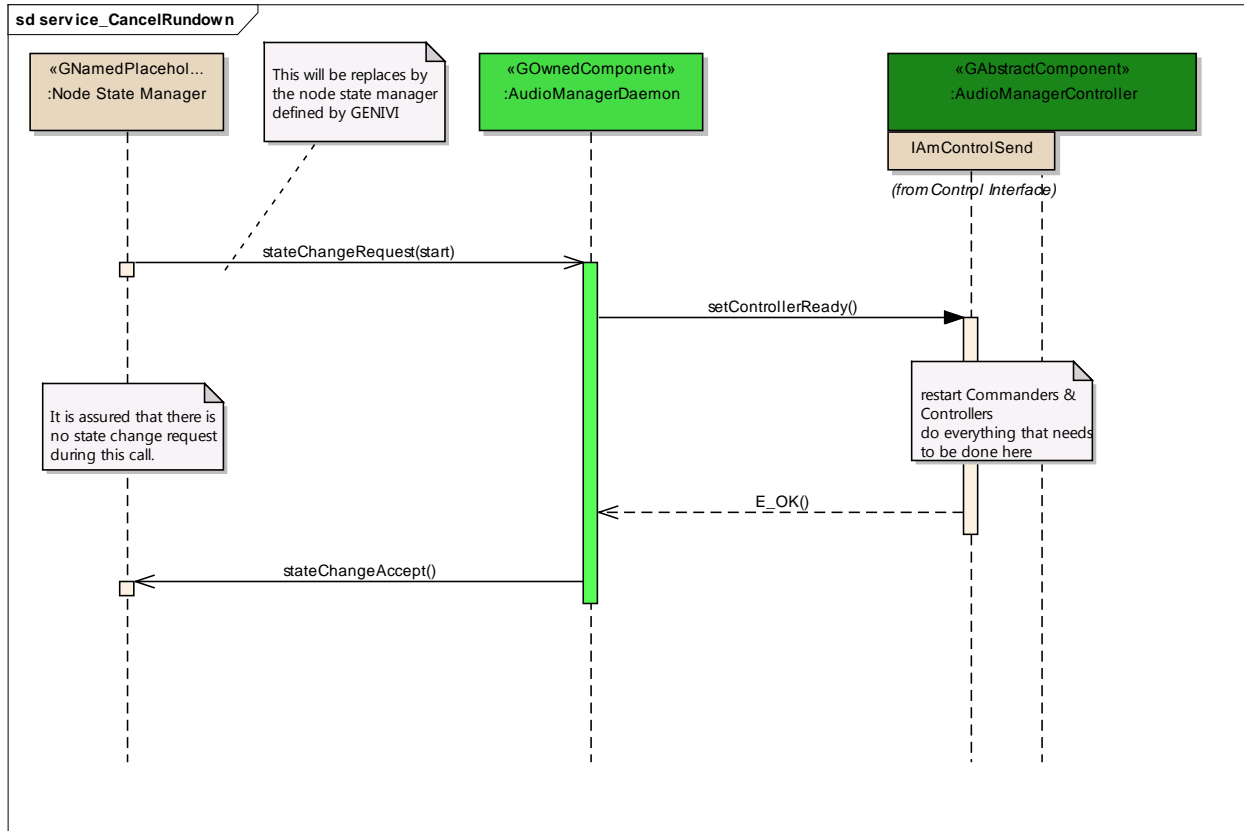


Figure: 20

**<anonymous>**

Type: **GNamedPlaceholder**  
 Status: Proposed. Version 1.0. Phase 1.0.  
 Package: service\_CancelRundown **Keywords:**  
 Detail: Created on 22.02.2012. Last modified on 22.02.2012.  
 GUID: {2BF5D262-876F-4aca-AB33-9A989A1D18C2}

**Custom Properties**

- isIndirectlyInstantiated = True

**Connections**

Connector	Source	Target	Notes
<b>NoteLink</b>	Public <anonymous>	Public <anonymous>	
<b>Sequence</b> stateChangeRequest Source -> Destination	Public <anonymous>	Public <anonymous>	
<b>Sequence</b>	Public	Public	

Connector	Source	Target	Notes
stateChangeAccept Source -> Destination	<anonymous>	<anonymous>	

## initialization

*Type:* **InteractionFragment**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* service\_CancelRundown *Keywords:*  
*Detail:* Created on 12.10.2011. Last modified on 12.10.2011.  
*GUID:* {1B64A8BC-2171-472f-81A6-7AA77CD1AA67}

## service\_Startup

*Type:* **Package**  
*Status:* Reworked. Version 1.0. Phase 1.0.  
*Package:* Service  
*Detail:* Created on 12.10.2011. Last modified on 12.10.2011  
*GUID:* {ADBA613D-4C35-450c-9AD5-43DE8FBA42C4}

### service\_Startup - (Interaction diagram)

*Created By:* christian on 12.10.2011  
*Last Modified:* 22.02.2012  
*Version:* 1.0. *Locked:* False  
*GUID:* {0C0A015B-4788-4e3c-9946-E6CD28EF8D22}

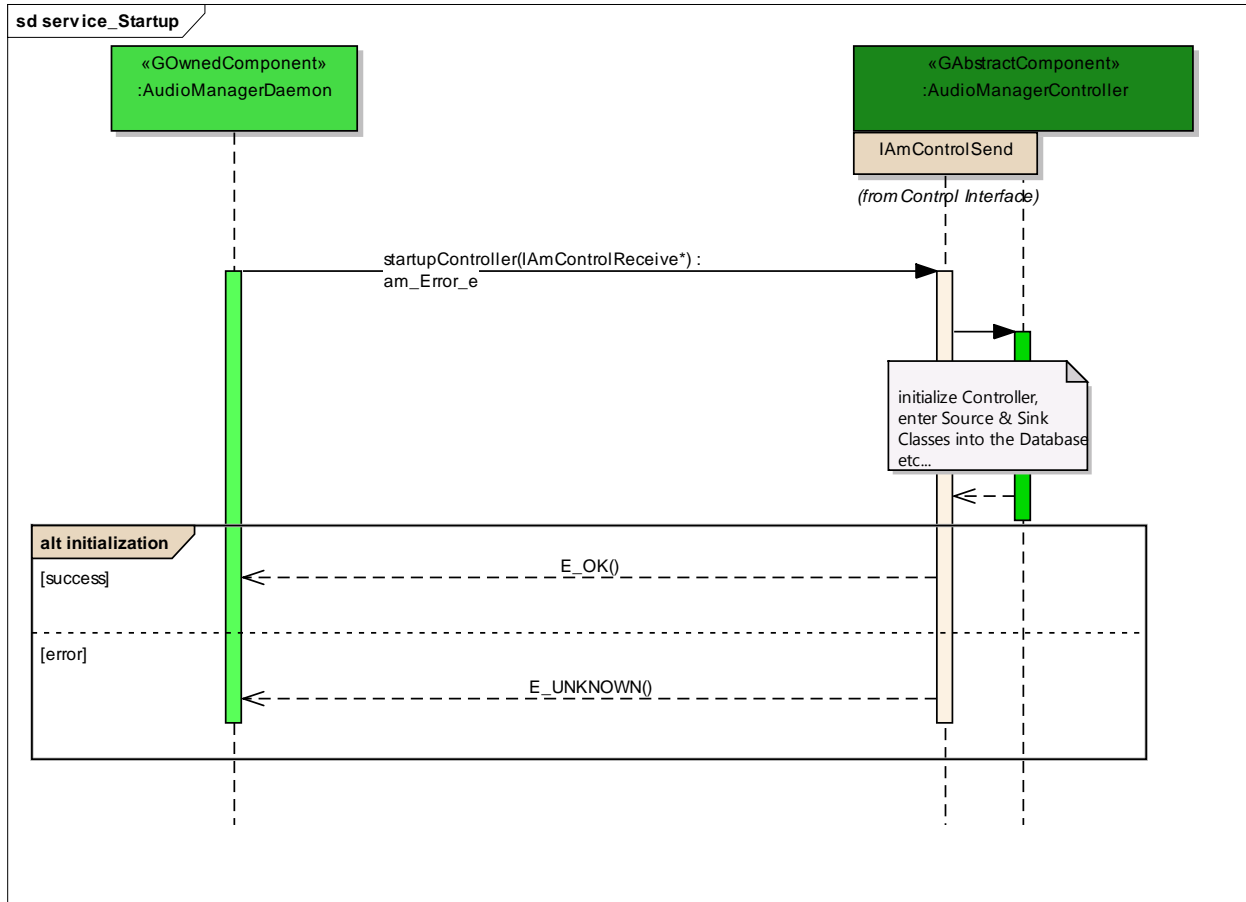


Figure: 21

### initialization

Type: **InteractionFragment**  
 Status: Proposed. Version 1.0. Phase 1.0.  
 Package: service\_Startup *Keywords:*  
 Detail: Created on 12.10.2011. Last modified on 12.10.2011.  
 GUID: {0F679475-F010-4b2c-A30A-9198A440E2FA}

### service\_Rundown

Type: **Package**  
 Status: Reworked. Version 1.0. Phase 1.0.  
 Package: Service  
 Detail: Created on 12.10.2011. Last modified on 12.10.2011  
 GUID: {5DD7E440-08E8-42c6-9BDC-E5EED1B7650F}

#### service\_Rundown - (Interaction diagram)

Created By: christian on 12.10.2011

*Last Modified:* 22.02.2012  
*Version:* 1.0. *Locked:* False  
*GUID:* {C1592DFF-A368-4b9e-AEFC-8FEFD788262F}

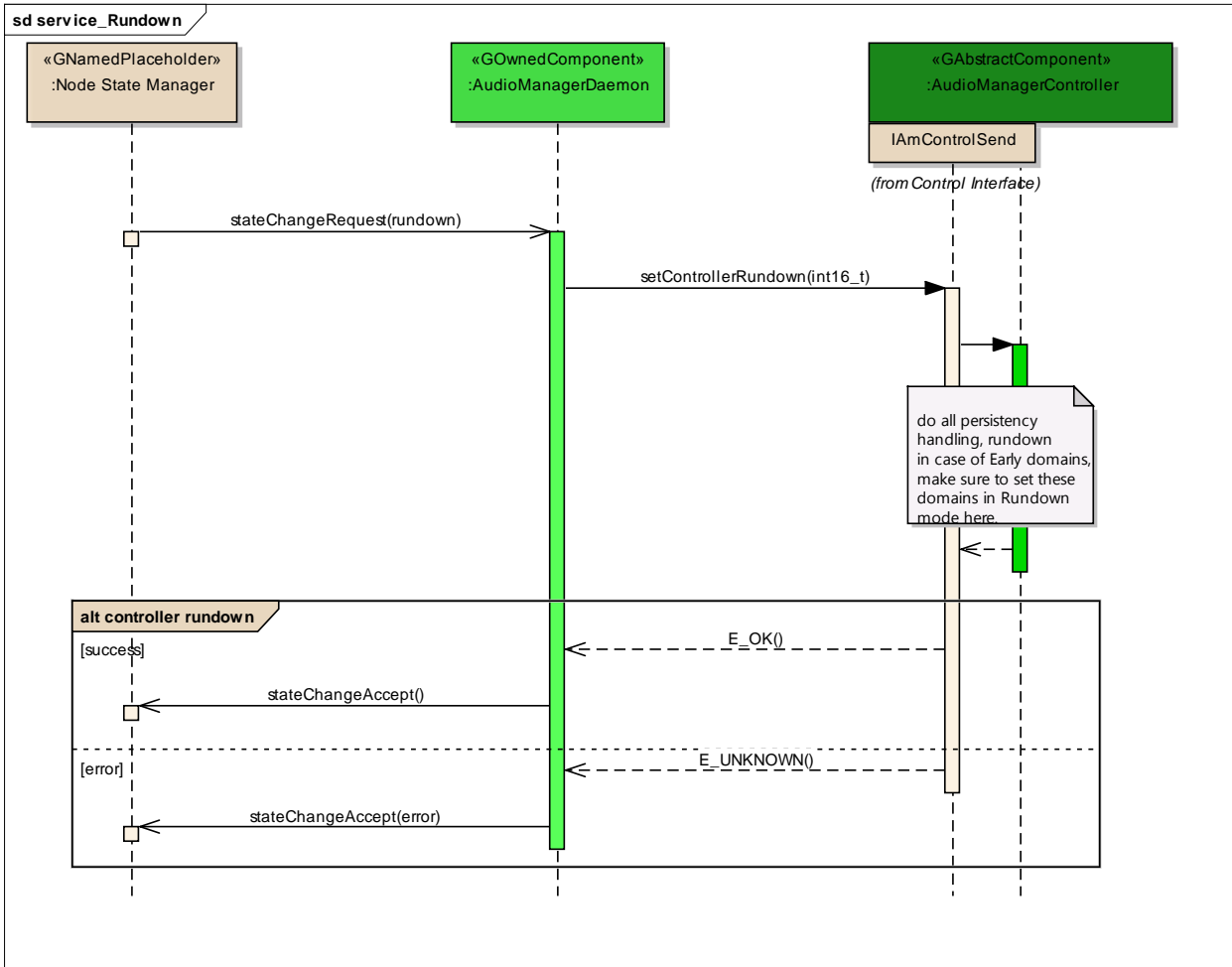


Figure: 22

**<anonymous>**

*Type:* **GNamedPlaceholder**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* service\_Rundown *Keywords:*  
*Detail:* Created on 22.02.2012. Last modified on 22.02.2012.  
*GUID:* {7B307B0C-F56D-441f-BC45-ADBF6FF3BD9B}

Custom Properties

- isIndirectlyInstantiated = True

Connections

Connector	Source	Target	Notes
-----------	--------	--------	-------



Connector	Source	Target	Notes
<b>Sequence</b> stateChangeRequest Source -> Destination	Public <anonymous>	Public <anonymous>	
<b>Sequence</b> stateChangeAccept Source -> Destination	Public <anonymous>	Public <anonymous>	
<b>Sequence</b> stateChangeAccept Source -> Destination	Public <anonymous>	Public <anonymous>	

## controller rundown

**Type:** **InteractionFragment**  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** service\_Rundown **Keywords:**  
**Detail:** Created on 12.10.2011. Last modified on 12.10.2011.  
**GUID:** {83880219-5957-4065-8508-E1642F207A2B}

## Database Access

**Type:** **Package**  
**Status:** Reworked. Version 1.0. Phase 1.0.  
**Package:** Control Interface  
**Detail:** Created on 13.09.2011. Last modified on 13.10.2011  
**GUID:** {1099289F-7DE6-4034-9DC3-3134E58A85A5}

All sequences below hold information for database access

## database\_ChangeMainSinkNotification

**Type:** **Package**  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** Database Access  
**Detail:** Created on 29.01.2013. Last modified on 29.01.2013  
**GUID:** {3070CF27-5E3C-42d8-B5B6-7F12E122135D}

### **database\_ChangeMainSinkNotification** - (Interaction diagram)

**Created By:** q232968 on 29.01.2013  
**Last Modified:** 29.01.2013  
**Version:** 1.0. **Locked:** False  
**GUID:** {E85D4596-0EBB-4738-9A1F-798E63B8DCDC}

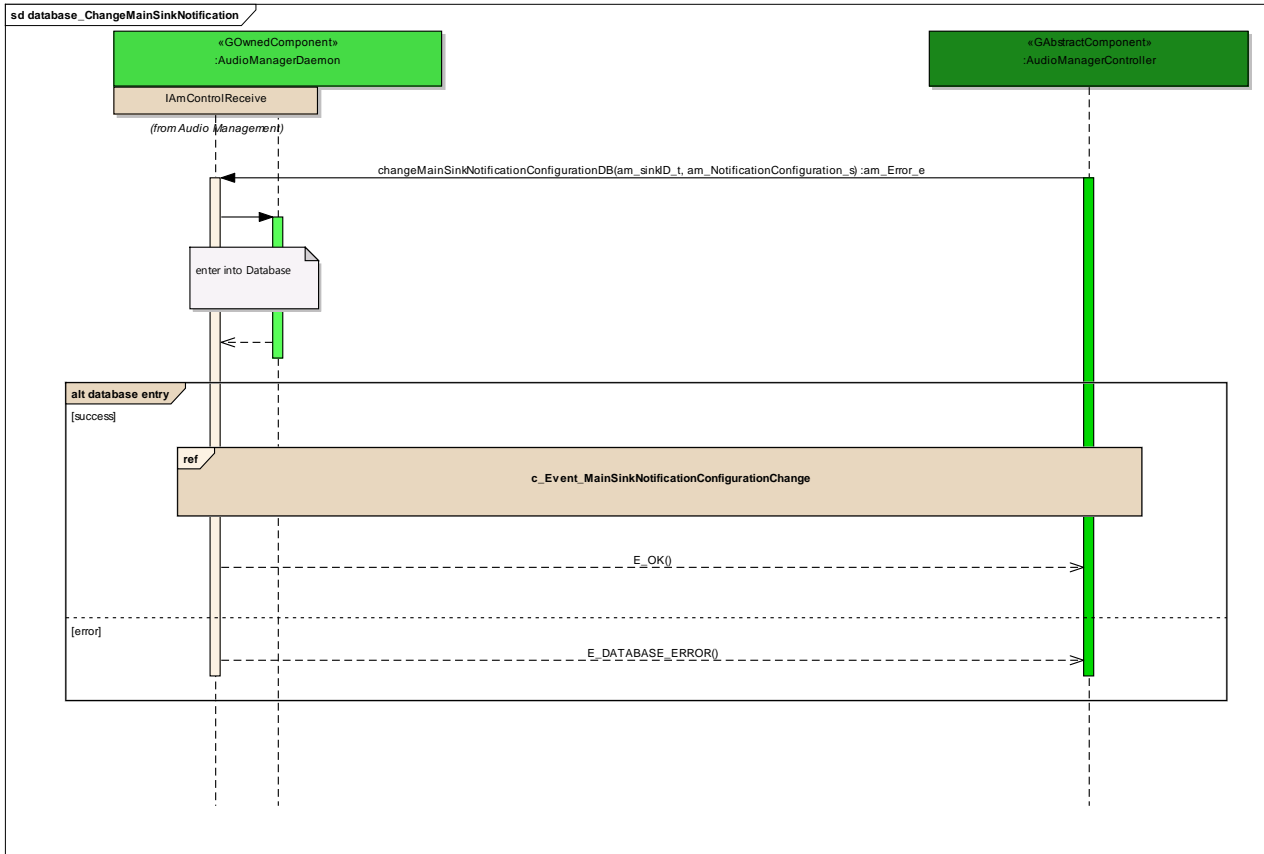


Figure: 23

### c\_Event\_MainSinkNotificationConfigurationChange

Type: **InteractionOccurrence**  
 Status: Proposed. Version 1.0. Phase 1.0.  
 Package: database\_ChangeMainSinkNotification *Keywords:*  
 Detail: Created on 29.01.2013. Last modified on 29.01.2013.  
 GUID: {AF6AE439-3E07-4524-96A8-E2D190E5E7A8}

### database entry

Type: **InteractionFragment**  
 Status: Proposed. Version 1.0. Phase 1.0.  
 Package: database\_ChangeMainSinkNotification *Keywords:*  
 Detail: Created on 29.01.2013. Last modified on 29.01.2013.  
 GUID: {179601A2-E060-4572-A8D0-6F3BB70A096B}

## database\_ChangeMainSourceNotification

**Type:** Package  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** Database Access  
**Detail:** Created on 29.01.2013. Last modified on 29.01.2013  
**GUID:** {FC703BB5-0C5F-4931-B132-8A161AEDDC57}

### database\_ChangeMainSourceNotification - (Interaction diagram)

**Created By:** q232968 on 29.01.2013  
**Last Modified:** 29.01.2013  
**Version:** 1.0. **Locked:** False  
**GUID:** {50538E92-144C-4a12-ACAC-C674C0006931}

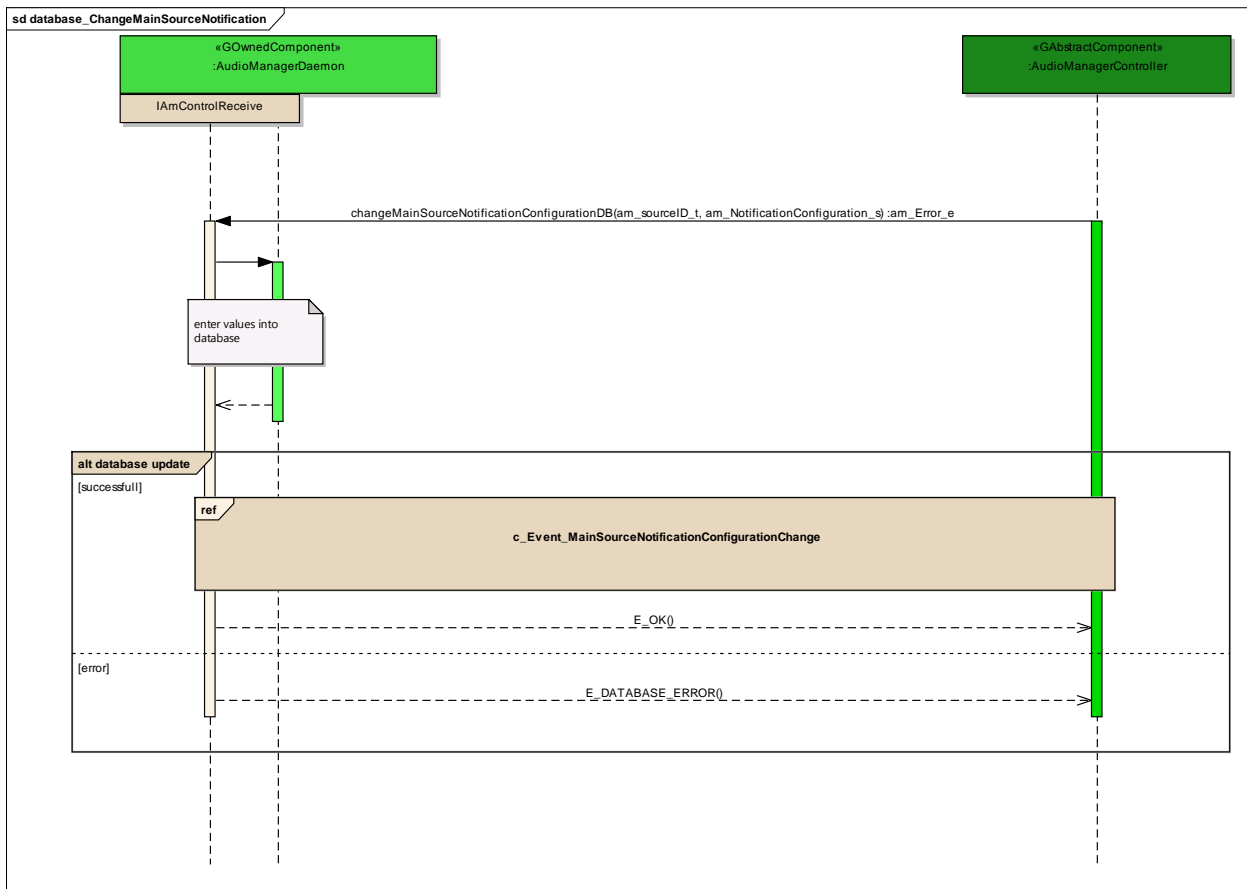


Figure: 24

### c\_Event\_MainSourceNotificationConfigurationChange

**Type:** InteractionOccurrence  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** database\_ChangeMainSourceNotification **Keywords:**  
**Detail:** Created on 29.01.2013. Last modified on 29.01.2013.  
**GUID:** {218CD7FE-5273-4b77-811E-8179AF0E658E}

## **database update**

*Type:* **InteractionFragment**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* database\_ChangeMainSourceNotification *Keywords:*  
*Detail:* Created on 29.01.2013. Last modified on 29.01.2013.  
*GUID:* {94982892-571B-48e4-A322-2362453C33C2}

## **database\_GetListCrossfadersOfDomain**

*Type:* **Package**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* Database Access  
*Detail:* Created on 13.10.2011. Last modified on 13.10.2011  
*GUID:* {3F482C6F-F9F5-4cd2-A403-EBCC15D24659}

### **database\_GetListCrossfadersOfDomain** - (Interaction diagram)

*Created By:* christian on 13.10.2011  
*Last Modified:* 13.10.2011  
*Version:* 1.0. *Locked:* False  
*GUID:* {340C48FF-C0C3-4d17-ADAF-5B8A5DC1A4C0}

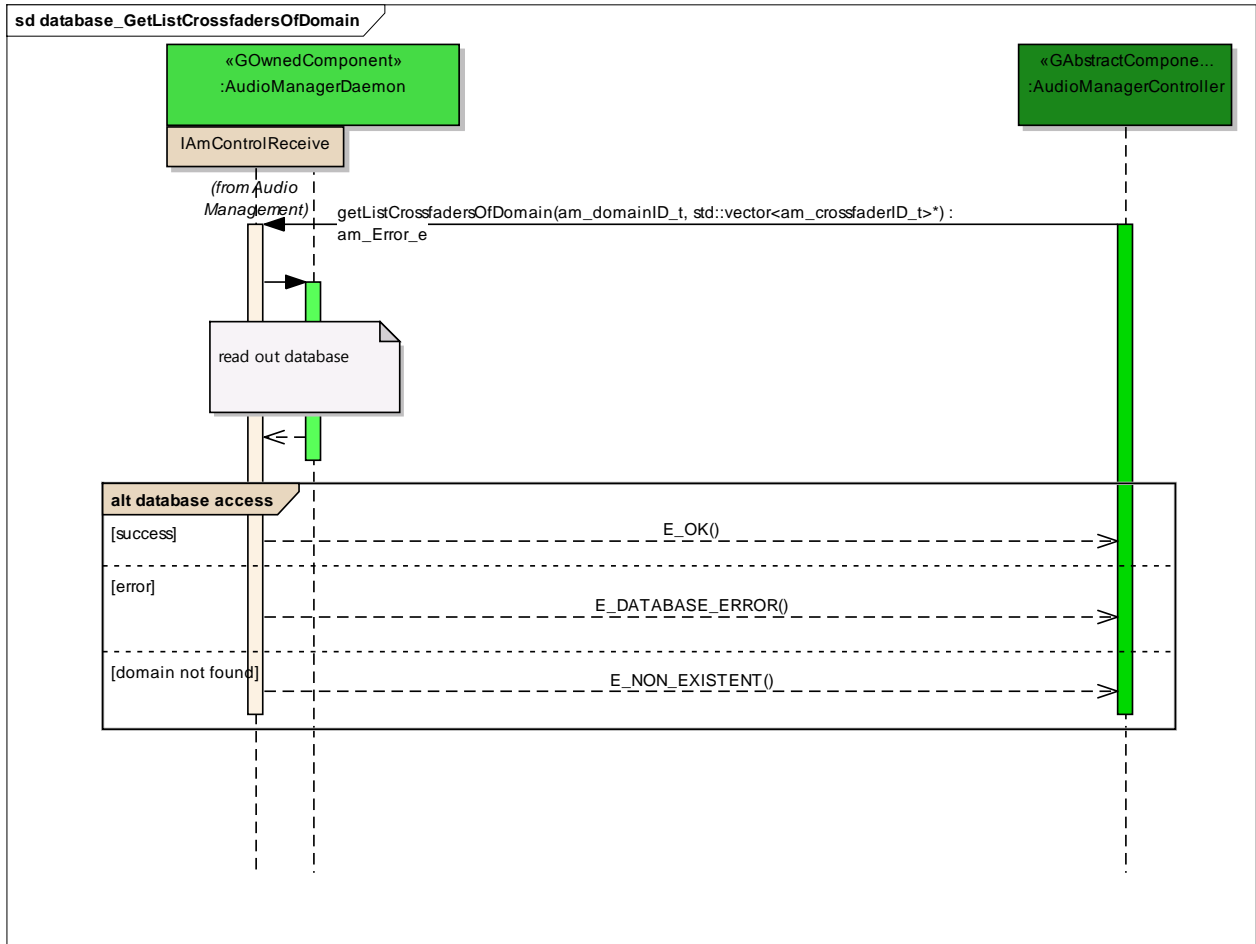


Figure: 25

### database access

Type: **InteractionFragment**  
 Status: Proposed. Version 1.0. Phase 1.0.  
 Package: database\_GetListCrossfadersOfDomain *Keywords:*  
 Detail: Created on 13.10.2011. Last modified on 13.10.2011.  
 GUID: {D84EC7B5-61F1-4c2f-9BA6-6F8E66E10C31}

### database\_GetSourceSinkOfGateway

Type: **Package**  
 Status: Reworked. Version 1.0. Phase 1.0.  
 Package: Database Access  
 Detail: Created on 10.10.2011. Last modified on 10.10.2011  
 GUID: {C3225F03-AC0E-4736-B0F0-EC87E7829CBB}

#### database\_GetSourceSinkOfGateway - (Interaction diagram)

Created By: christian on 10.10.2011  
 Last Modified: 10.10.2011  
 Version: 1.0. Locked: False  
 GUID: {5A3480C6-7CD0-424f-B94A-E4F50B9360B2}

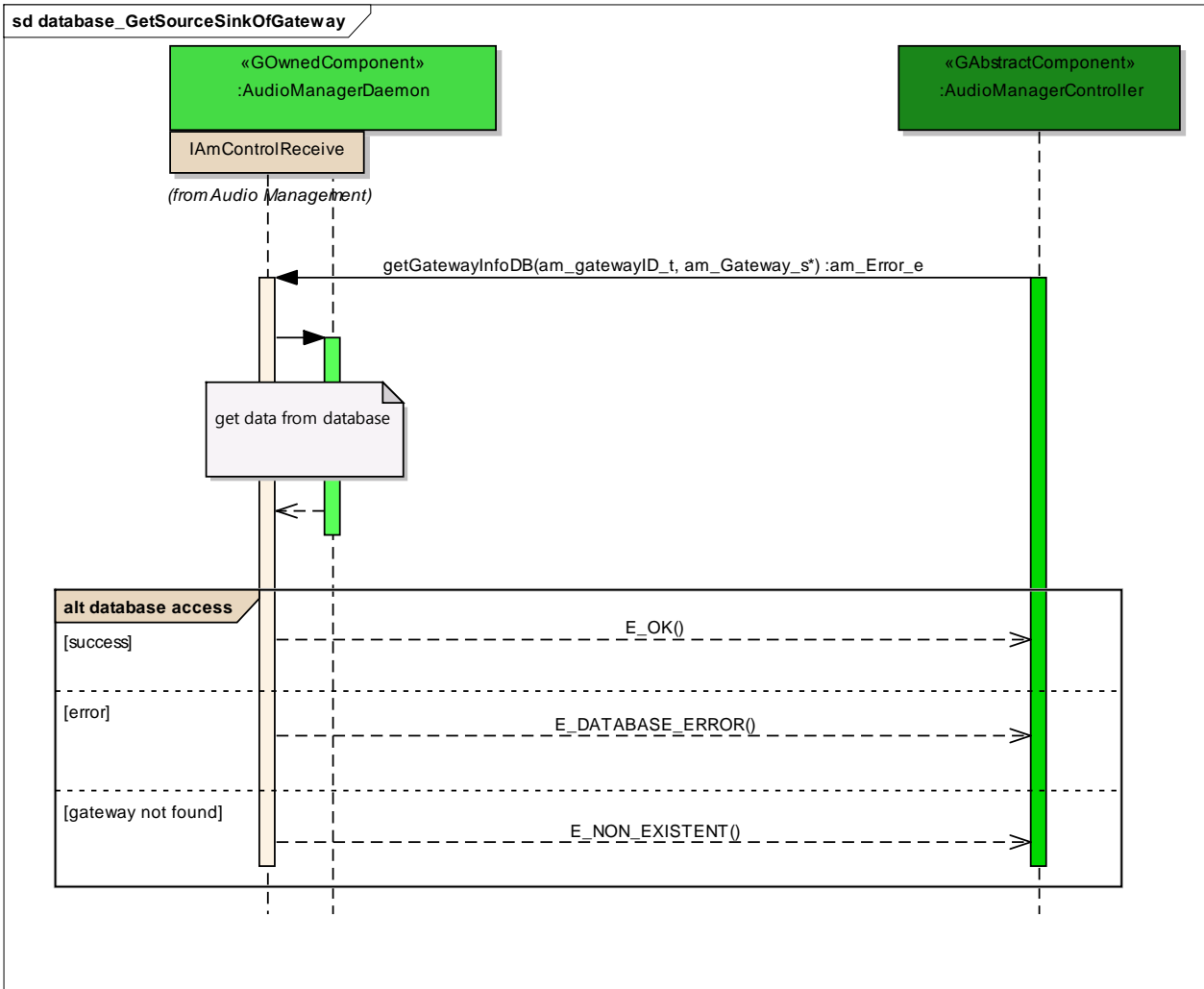


Figure: 26

### database access

Type: **InteractionFragment**  
 Status: Proposed. Version 1.0. Phase 1.0.  
 Package: database\_GetSourceSinkOfGateway *Keywords:*  
 Detail: Created on 10.10.2011. Last modified on 10.10.2011.  
 GUID: {9842CB15-5CB7-4028-BD32-EE4D79AD812D}

### database\_GetSourceSinksOfCrossfader

**Type:** Package  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** Database Access  
**Detail:** Created on 12.10.2011. Last modified on 12.10.2011  
**GUID:** {2419DE40-B4A6-4277-9845-9EB25C7D5789}

**database\_GetSourceSinksOfCrossfader** - (Interaction diagram)

**Created By:** christian on 12.10.2011  
**Last Modified:** 12.10.2011  
**Version:** 1.0. *Locked:* False  
**GUID:** {E0D8A066-DFAB-438f-8EE0-D95CF4854AD2}

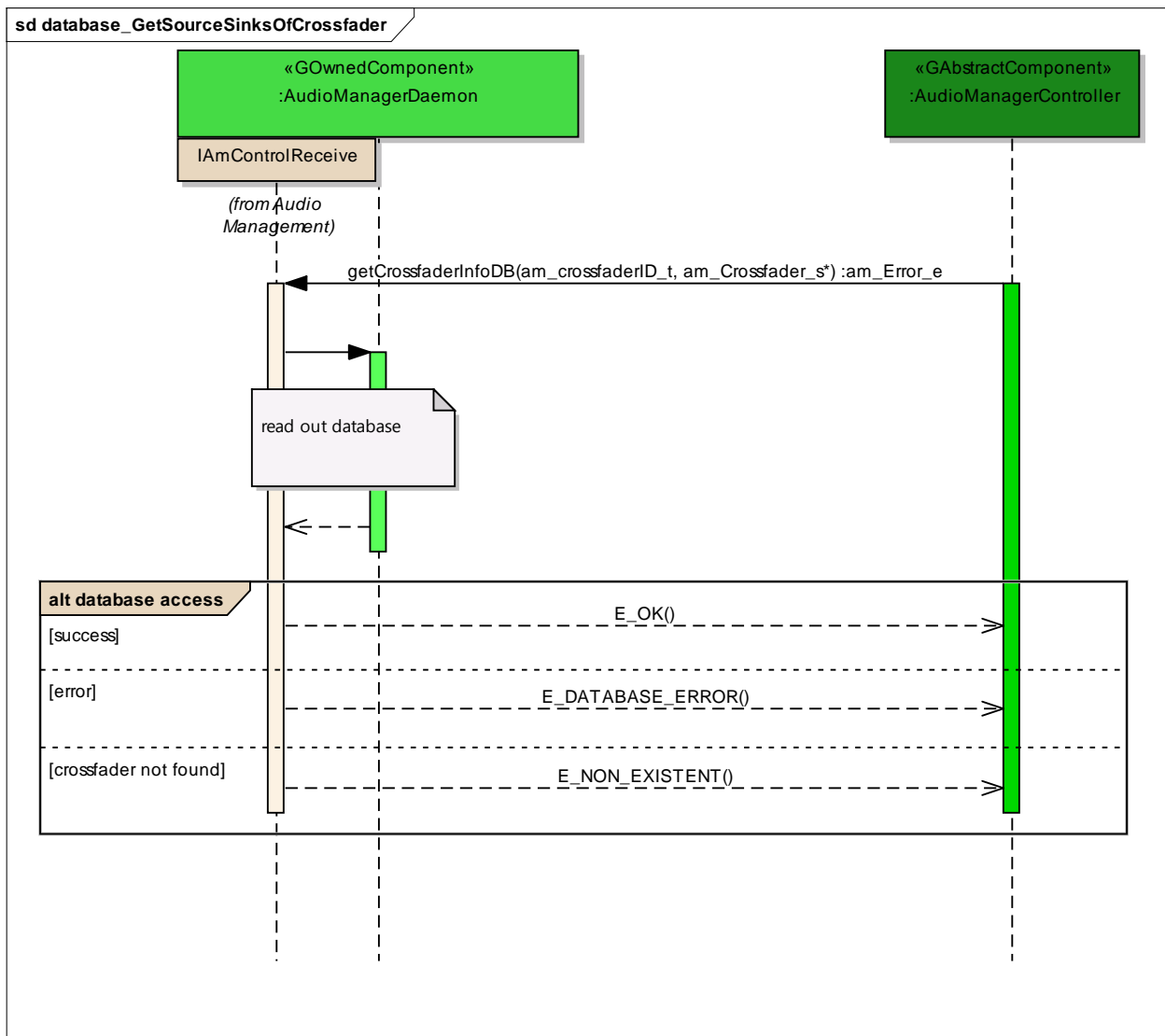


Figure: 27

**database access**

**Type:** InteractionFragment  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** database\_GetSourceSinksOfCrossfader *Keywords:*

*Detail:* Created on 12.10.2011. Last modified on 12.10.2011.  
*GUID:* {BCB5792D-8BB3-43f6-8755-DB91463D1C33}

## database\_GetListGatewaysOfDomain

*Type:* **Package**  
*Status:* Reworked. Version 1.0. Phase 1.0.  
*Package:* Database Access  
*Detail:* Created on 10.10.2011. Last modified on 10.10.2011  
*GUID:* {5C44ACA5-D7E8-4bfc-BDE5-6037F45B8856}

### database\_GetListGatewaysOfDomain - (Interaction diagram)

*Created By:* christian on 10.10.2011  
*Last Modified:* 10.10.2011  
*Version:* 1.0. *Locked:* False  
*GUID:* {BA0D4FC4-DB6F-43c8-A8E0-33FFC1A22E32}

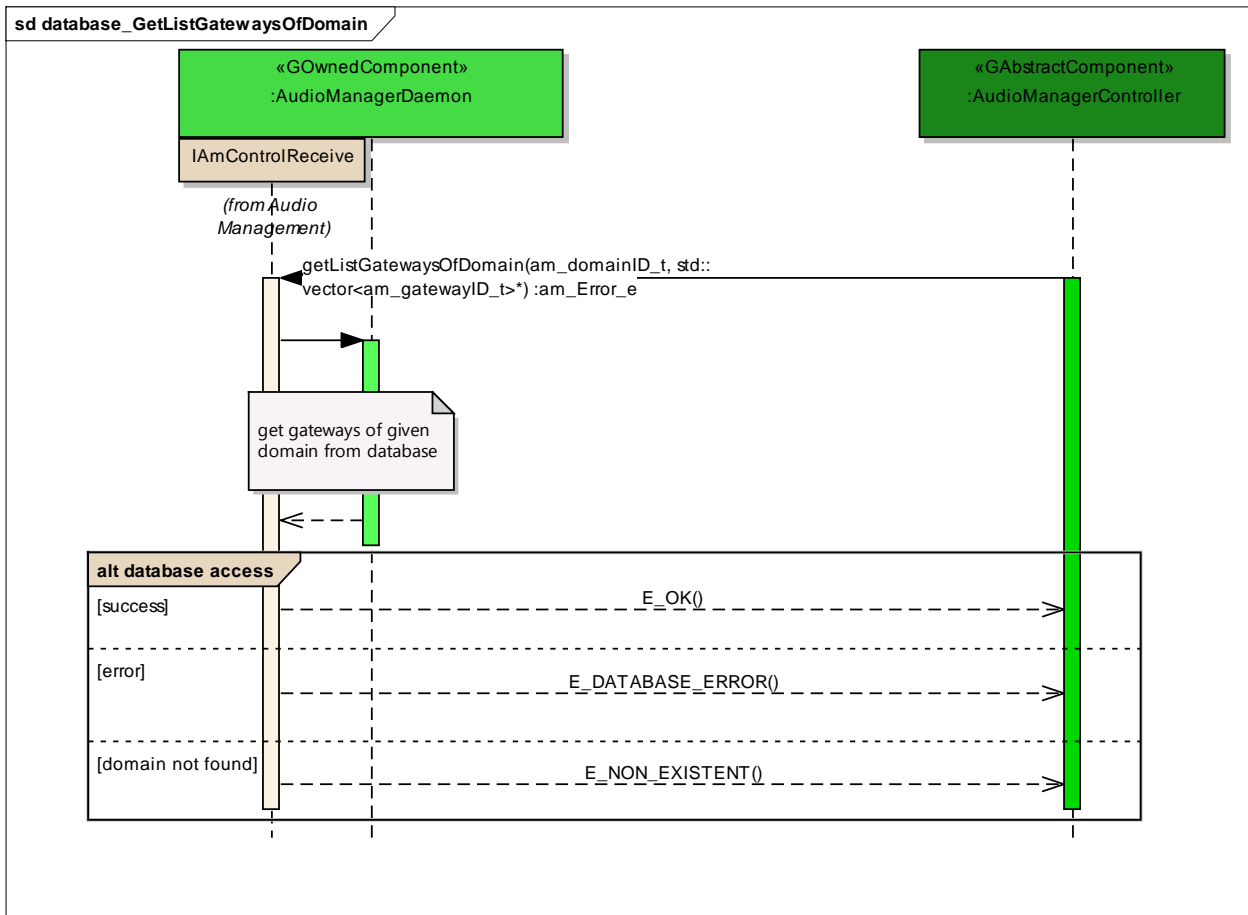


Figure: 28



### database access

Type: **InteractionFragment**  
 Status: Proposed. Version 1.0. Phase 1.0.  
 Package: database\_GetListGatewaysOfDomain *Keywords:*  
 Detail: on 10.10.2011. Last modified on 10.10.2011.  
 GUID: {EC288E28-CF1F-4631-BFE0-2930DA5A70E0}

### database\_GetListGateways

Type: **Package**  
 Status: Reworked. Version 1.0. Phase 1.0.  
 Package: Database Access  
 Detail: Created on 23.09.2011. Last modified on 07.10.2011  
 GUID: {19C93F63-4016-4509-B8B5-077A1CE35263}

#### database\_GetListGateways - (Interaction diagram)

Created By: christian on 23.09.2011  
 Last Modified: 07.10.2011  
 Version: 1.0. Locked: False  
 GUID: {0E719069-9DDF-4324-B596-6A5CA1FCE779}

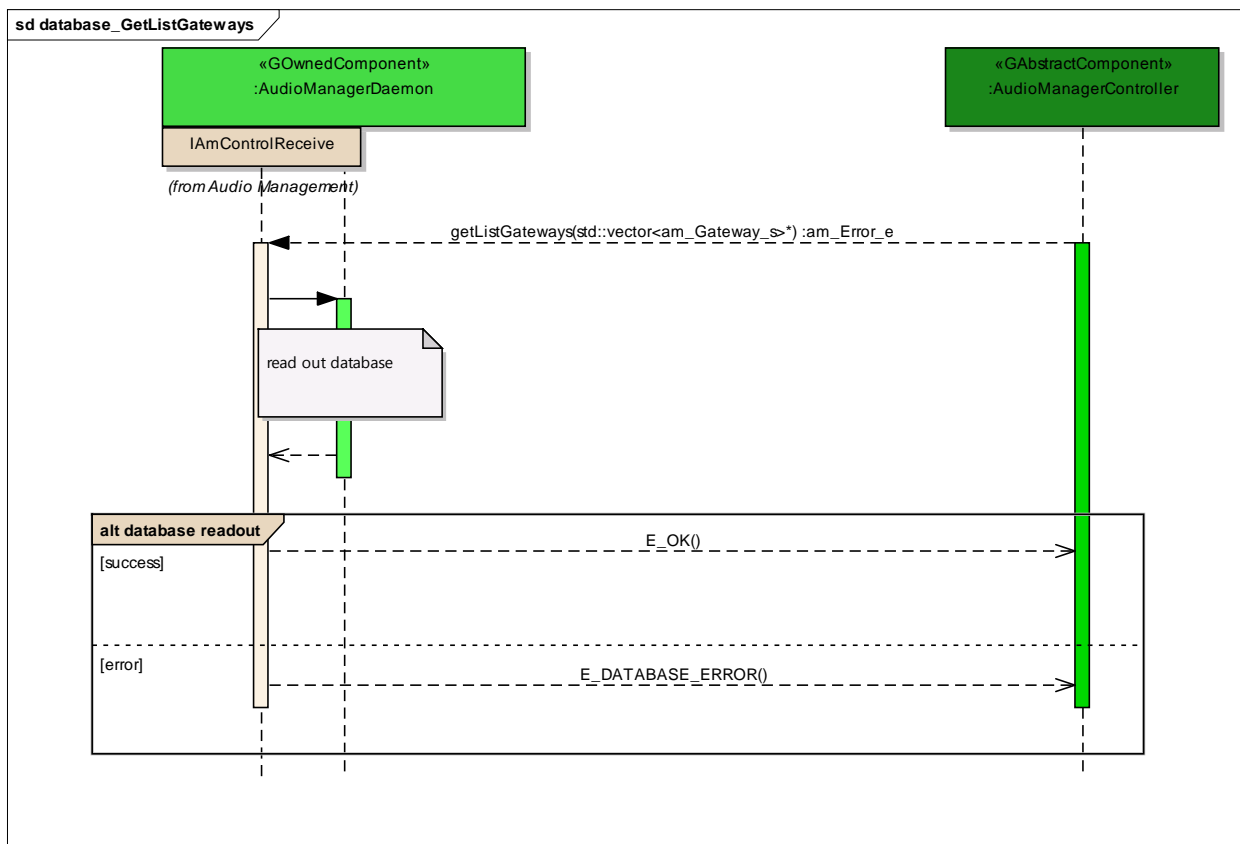


Figure: 29

## database readout

*Type:* **InteractionFragment**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* database\_GetListGateways *Keywords:*  
*Detail:* Created on 07.10.2011. Last modified on 07.10.2011.  
*GUID:* {94C3D121-F8B8-46c0-B26E-49D1E2A3EBC2}

## database\_GetListCrossfaders

*Type:* **Package**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* Database Access  
*Detail:* Created on 12.10.2011. Last modified on 12.10.2011  
*GUID:* {CA1E51D5-3942-44ac-88F7-72495E1F69FA}

### **database\_GetListCrossfaders** - (Interaction diagram)

*Created By:* christian on 12.10.2011  
*Last Modified:* 12.10.2011  
*Version:* 1.0. *Locked:* False  
*GUID:* {4BC71AEA-687D-470c-8B09-7C886DE6E8C3}

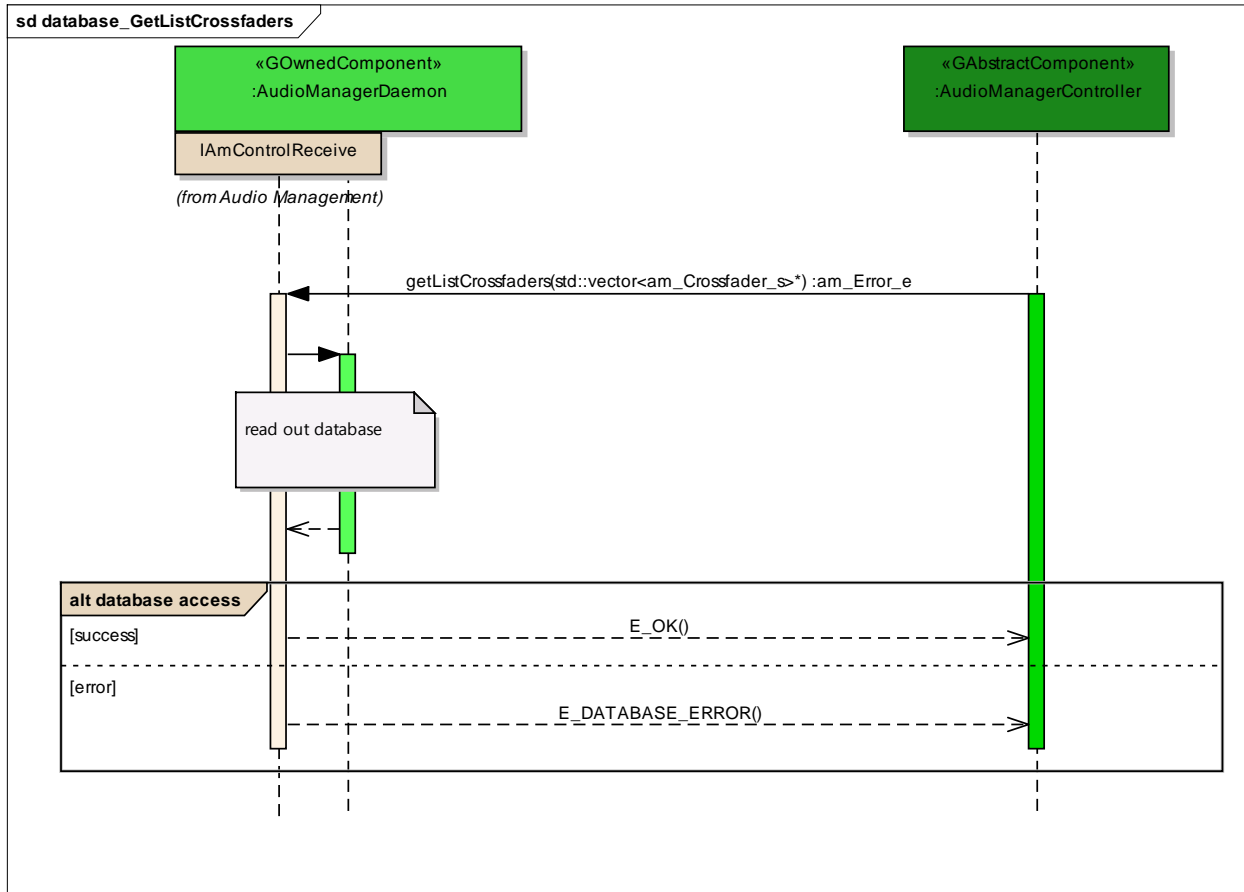


Figure: 30

### database access

Type: **InteractionFragment**  
 Status: Proposed. Version 1.0. Phase 1.0.  
 Package: database\_GetListCrossfaders **Keywords:**  
 Detail: Created on 12.10.2011. Last modified on 12.10.2011.  
 GUID: {A8CA58C2-3A27-4f4d-AD2D-F7AE7FEF970B}

### database\_GetListHandles

Type: **Package**  
 Status: Reworked. Version 1.0. Phase 1.0.  
 Package: Database Access  
 Detail: Created on 23.09.2011. Last modified on 07.10.2011  
 GUID: {2A45DE39-0343-4502-B4C5-DFE7EFDBC546}

#### database\_GetListHandles - (Interaction diagram)

Created By: christian on 23.09.2011

*Last Modified:* 07.10.2011  
*Version:* 1.0. *Locked:* False  
*GUID:* {55A24D50-1432-43b2-9B1A-43DC8AC89D21}

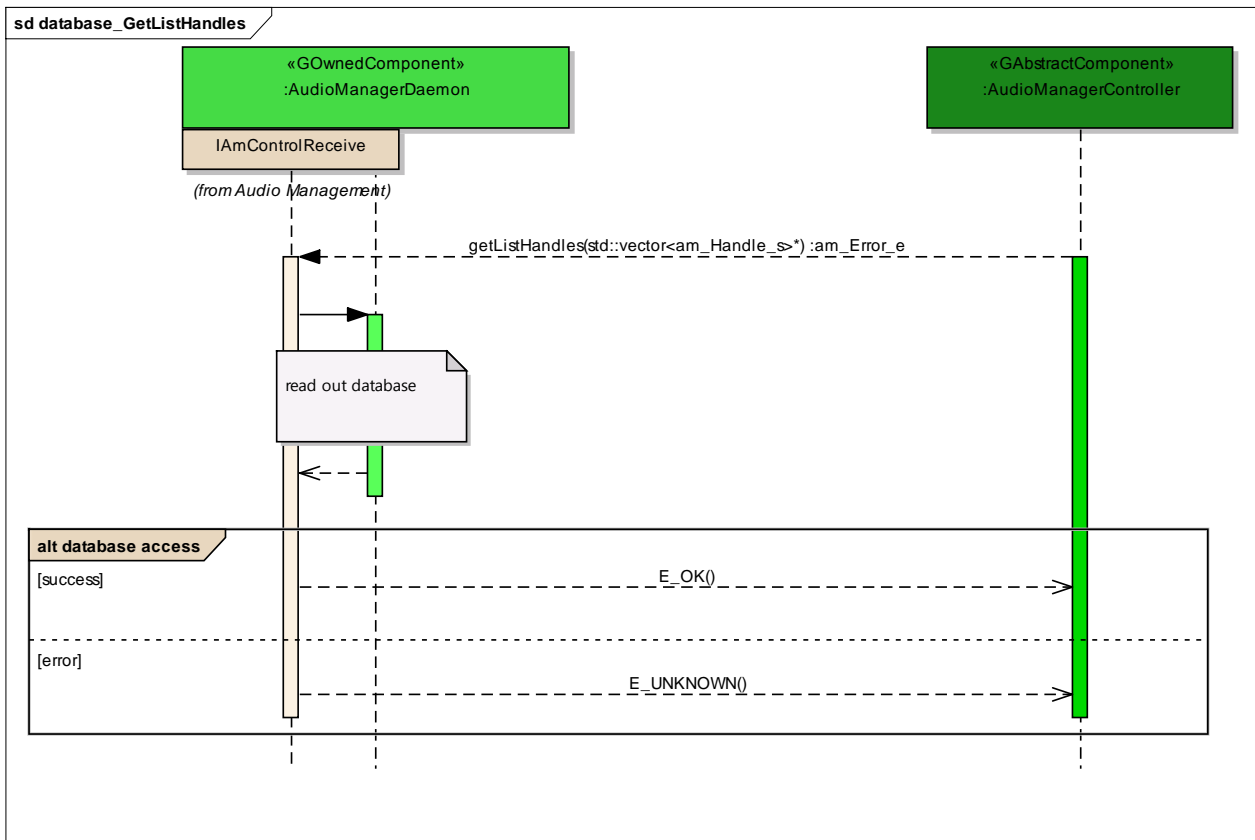


Figure: 31

### database access

*Type:* **InteractionFragment**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* database\_GetListHandles *Keywords:*  
*Detail:* Created on 07.10.2011. Last modified on 07.10.2011.  
*GUID:* {62C0DDD7-4235-49f6-9EEA-0AC82EAD67C7}

### database\_GetListSinkClasses

*Type:* **Package**  
*Status:* Reworked. Version 1.0. Phase 1.0.  
*Package:* Database Access  
*Detail:* Created on 23.09.2011. Last modified on 07.10.2011  
*GUID:* {561CB8AA-535F-453f-81FC-775243C0F2FE}

**database\_GetListSinkClasses** - (Interaction diagram)

Created By: christian on 23.09.2011  
 Last Modified: 07.10.2011  
 Version: 1.0. Locked: False  
 GUID: {77E4F69B-6F75-47ca-AEB1-3FB98F4BB0AB}

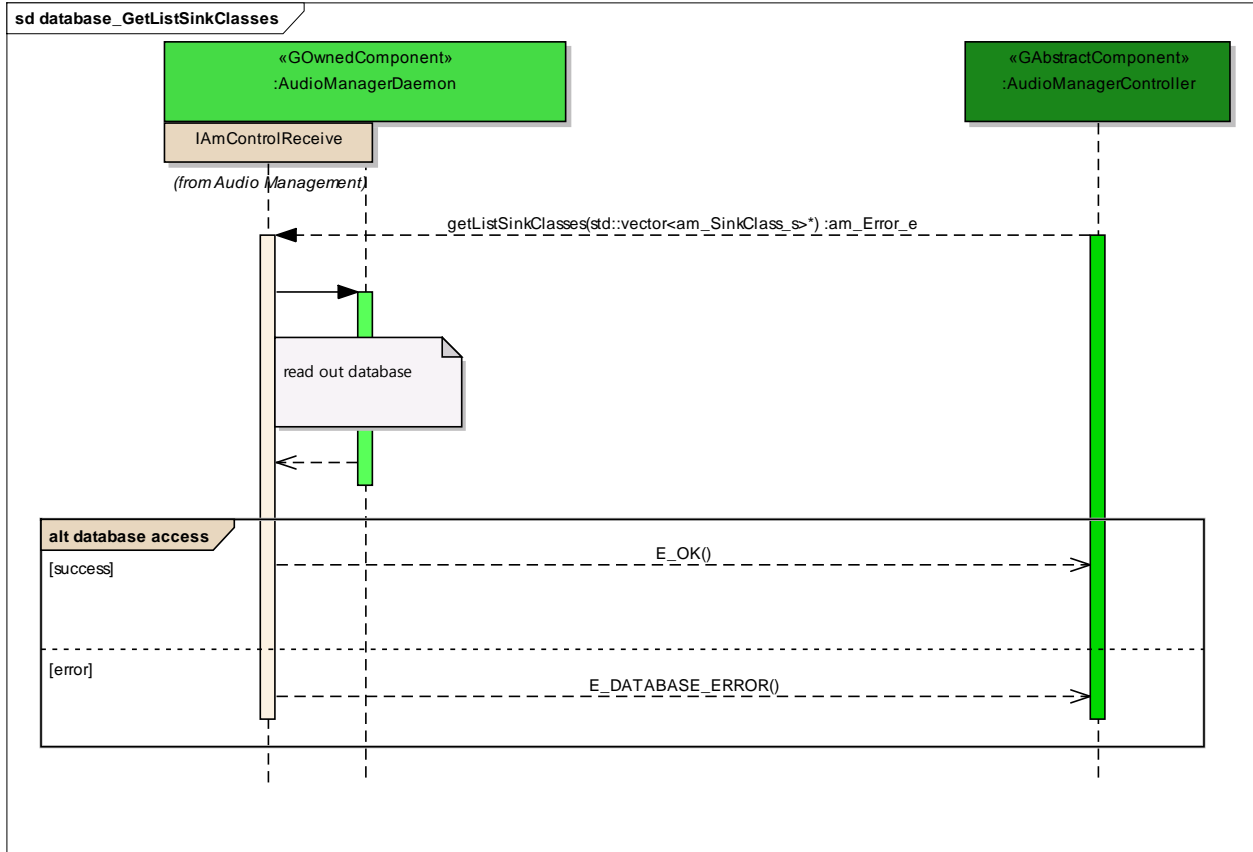


Figure: 32

**database access**

Type: **InteractionFragment**  
 Status: Proposed. Version 1.0. Phase 1.0.  
 Package: database\_GetListSinkClasses *Keywords:*  
 Detail: Created on 07.10.2011. Last modified on 07.10.2011.  
 GUID: {53AC7085-87F5-4780-8F40-A78A1533CAA2}

**database\_GetListSourceClasses**

Type: **Package**  
 Status: Reworked. Version 1.0. Phase 1.0.  
 Package: Database Access  
 Detail: Created on 23.09.2011. Last modified on 07.10.2011  
 GUID: {2A1A6397-9FD3-46ec-A4B3-46774ACB9095}

**database\_GetListSourceClasses** - (Interaction diagram)

Created By: christian on 23.09.2011  
 Last Modified: 07.10.2011  
 Version: 1.0. Locked: False  
 GUID: {C6FE8607-D66E-4700-B03F-0A2B0D1CC22C}

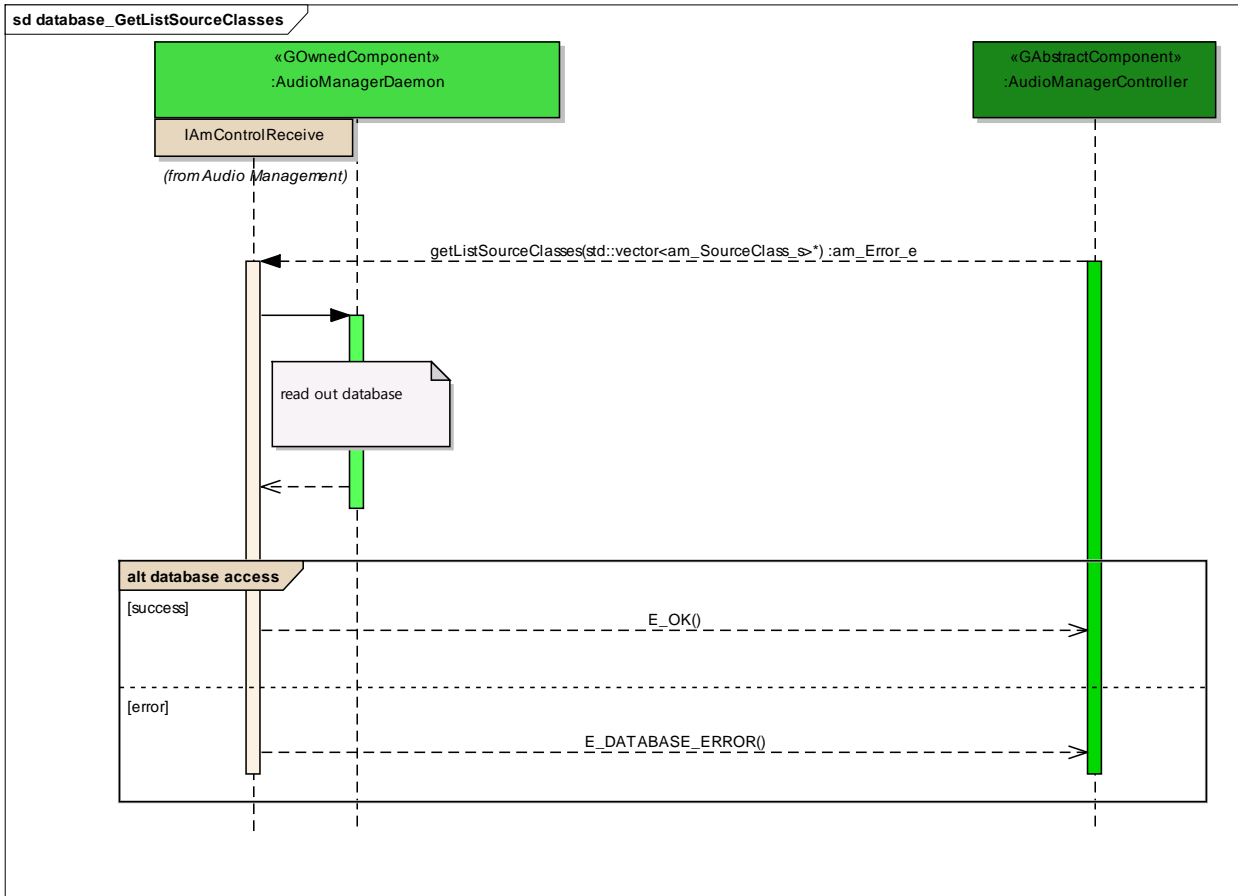


Figure: 33

**database access**

Type: **InteractionFragment**  
 Status: Proposed. Version 1.0. Phase 1.0.  
 Package: database\_GetListSourceClasses *Keywords:*  
 Detail: Created on 07.10.2011. Last modified on 07.10.2011.  
 GUID: {75F8BCDA-C3A7-4d5e-92E1-961ED674CEC9}

**database\_GetListSources**

Type: **Package**

*Status:* Reworked. Version 1.0. Phase 1.0.  
*Package:* Database Access  
*Detail:* Created on 23.09.2011. Last modified on 07.10.2011  
*GUID:* {612FD5F2E-7ABA-4249-950A-C308C81ED46D}

**database\_GetListSources** - (Interaction diagram)

*Created By:* christian on 23.09.2011  
*Last Modified:* 07.10.2011  
*Version:* 1.0. *Locked:* False  
*GUID:* {6122DA83-5ED9-4f9a-A0F2-C687AECCB5D4}

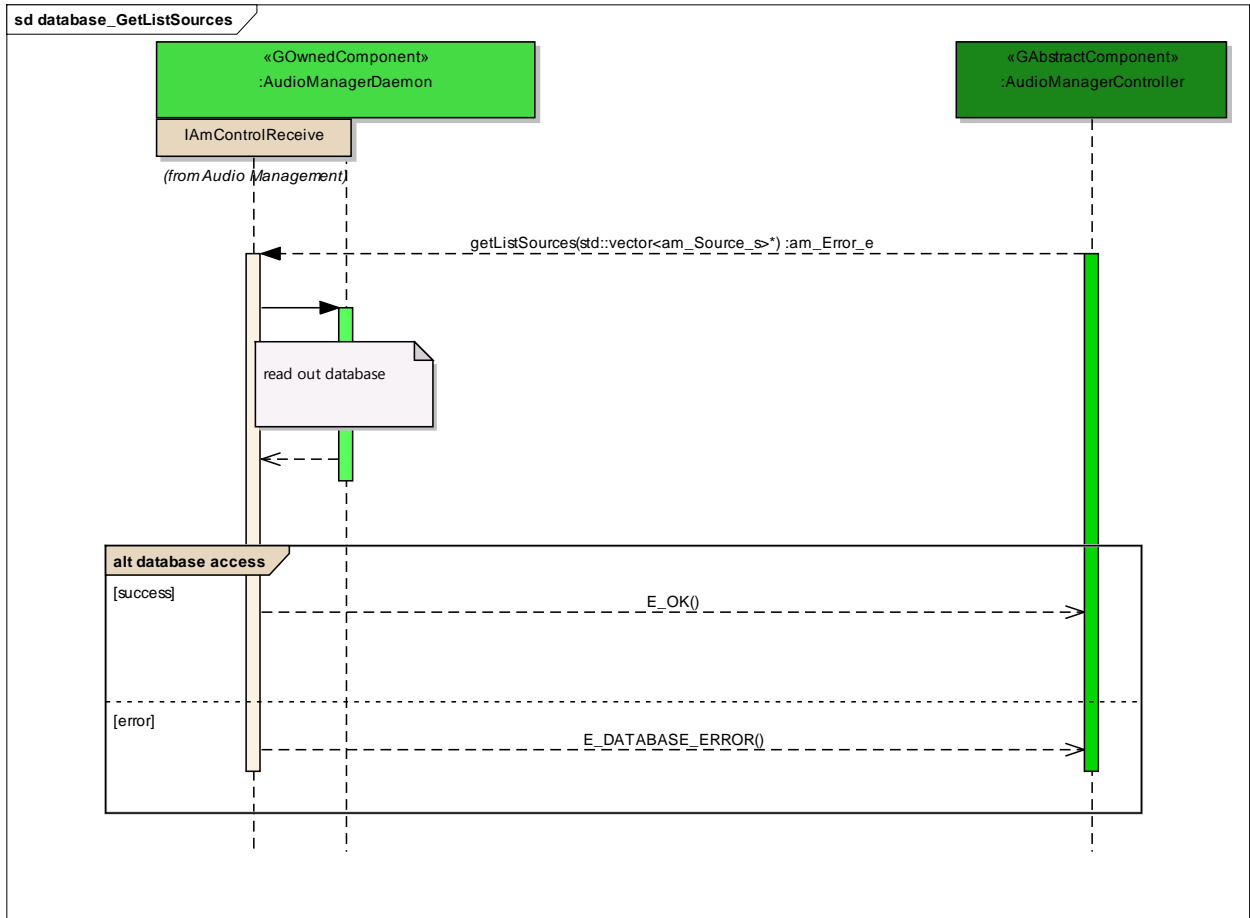


Figure: 34

**database access**

*Type:* **InteractionFragment**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* database\_GetListSources *Keywords:*  
*Detail:* Created on 07.10.2011. Last modified on 07.10.2011.  
*GUID:* {3099799B-A90A-4dcb-BD75-6F7E02B6D166}

## database\_GetListSourcesOfDomain

**Type:** Package  
**Status:** Reworked. Version 1.0. Phase 1.0.  
**Package:** Database Access  
**Detail:** Created on 10.10.2011. Last modified on 10.10.2011  
**GUID:** {B3B55DC1-02F6-4129-8DB5-7142E81F710C}

### database\_GetListSourcesOfDomain - (Interaction diagram)

**Created By:** christian on 10.10.2011  
**Last Modified:** 10.10.2011  
**Version:** 1.0. **Locked:** False  
**GUID:** {515D0299-5BC6-4e0d-9439-756B831AE259}

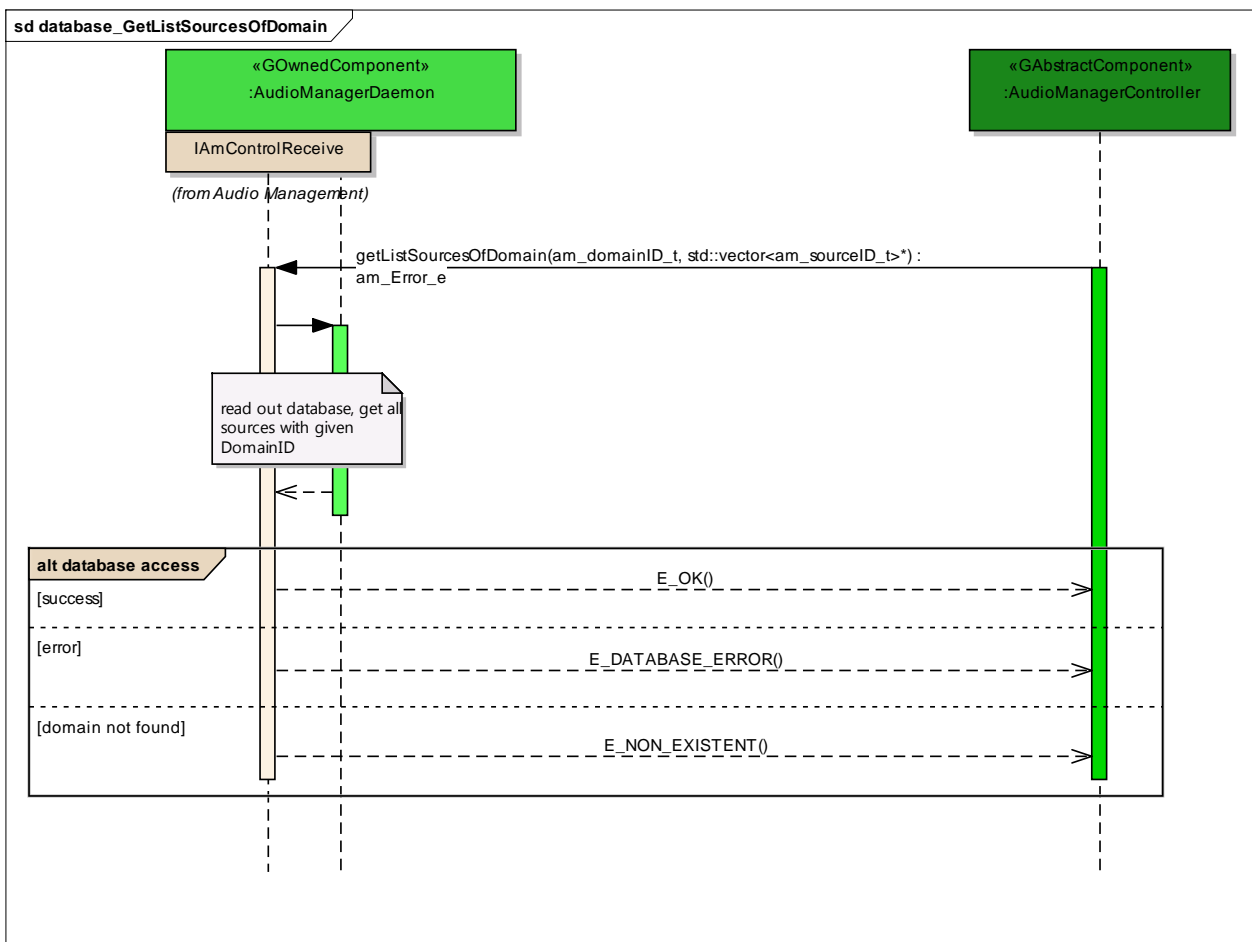


Figure: 35

### database access

**Type:** InteractionFragment  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** database\_GetListSourcesOfDomain **Keywords:**  
**Detail:** Created on 10.10.2011. Last modified on 10.10.2011.  
**GUID:** {854C4276-5FDA-4525-A704-4A77E00E06AB}



## database\_GetListSinks

**Type:** **Package**  
**Status:** Reworked. Version 1.0. Phase 1.0.  
**Package:** Database Access  
**Detail:** Created on 23.09.2011. Last modified on 07.10.2011  
**GUID:** {BF6DCA91-5D58-451e-ABAD-10CC8F2FD797}

### database\_GetListSinks - (Interaction diagram)

**Created By:** christian on 23.09.2011  
**Last Modified:** 07.10.2011  
**Version:** 1.0. **Locked:** False  
**GUID:** {507D1EC3-673C-42c7-A42A-69AF90A42759}

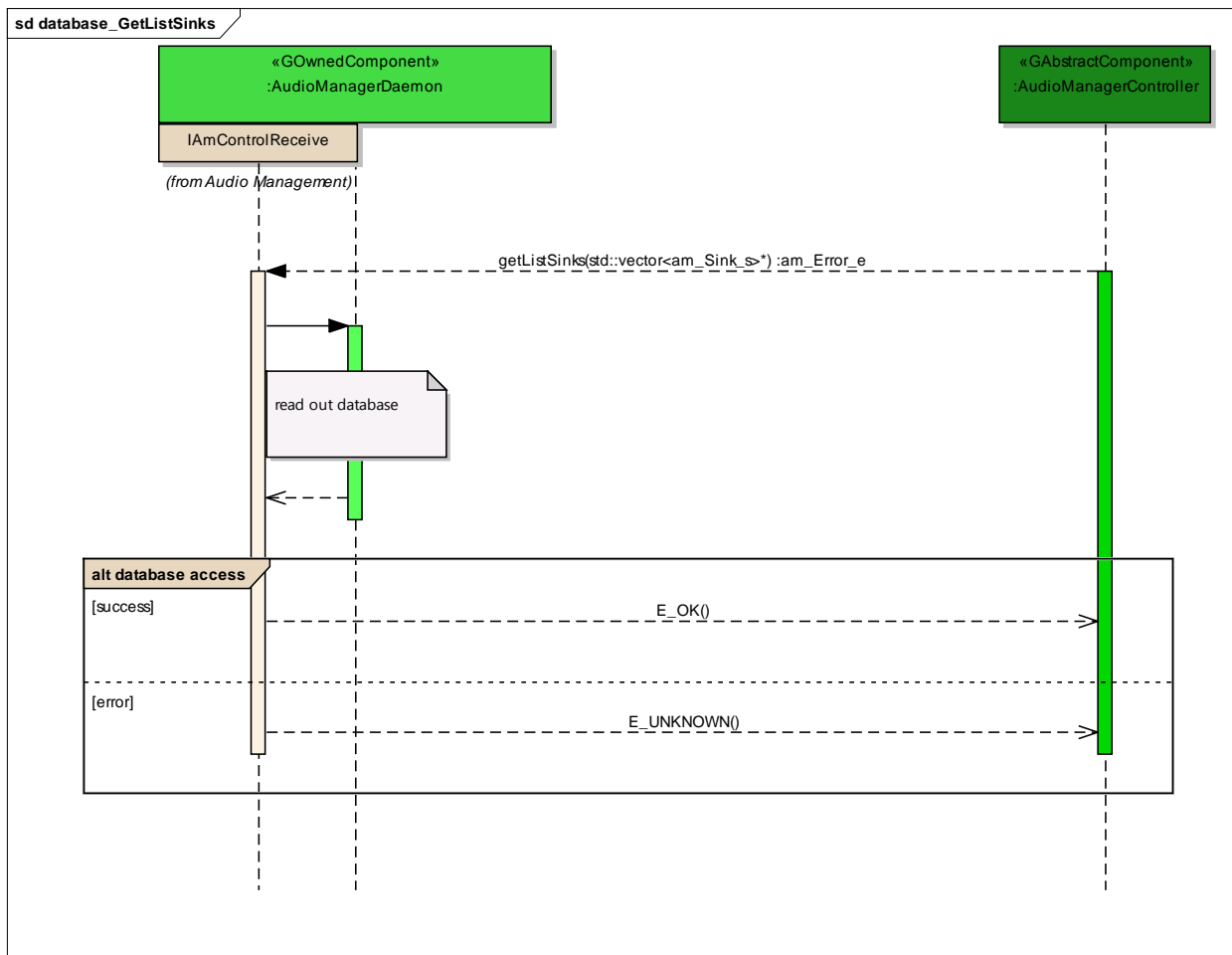


Figure: 36

### database access

Type: **InteractionFragment**  
 Status: Proposed. Version 1.0. Phase 1.0.  
 Package: database\_GetListSinks **Keywords:**  
 Detail: Created on 07.10.2011. Last modified on 07.10.2011.  
 GUID: {C2BB35EA-255C-433a-8542-188B9E4AE88D}

### database\_GetListSinksOfDomain

Type: **Package**  
 Status: Reworked. Version 1.0. Phase 1.0.  
 Package: Database Access  
 Detail: Created on 10.10.2011. Last modified on 10.10.2011  
 GUID: {A723E159-A8C3-42af-BF5B-399F97A3CB2C}

#### database\_GetListSinksOfDomain - (Interaction diagram)

Created By: christian on 10.10.2011  
 Last Modified: 10.10.2011  
 Version: 1.0. Locked: False  
 GUID: {FB624010-21A3-4081-BEF3-F4548042F183}

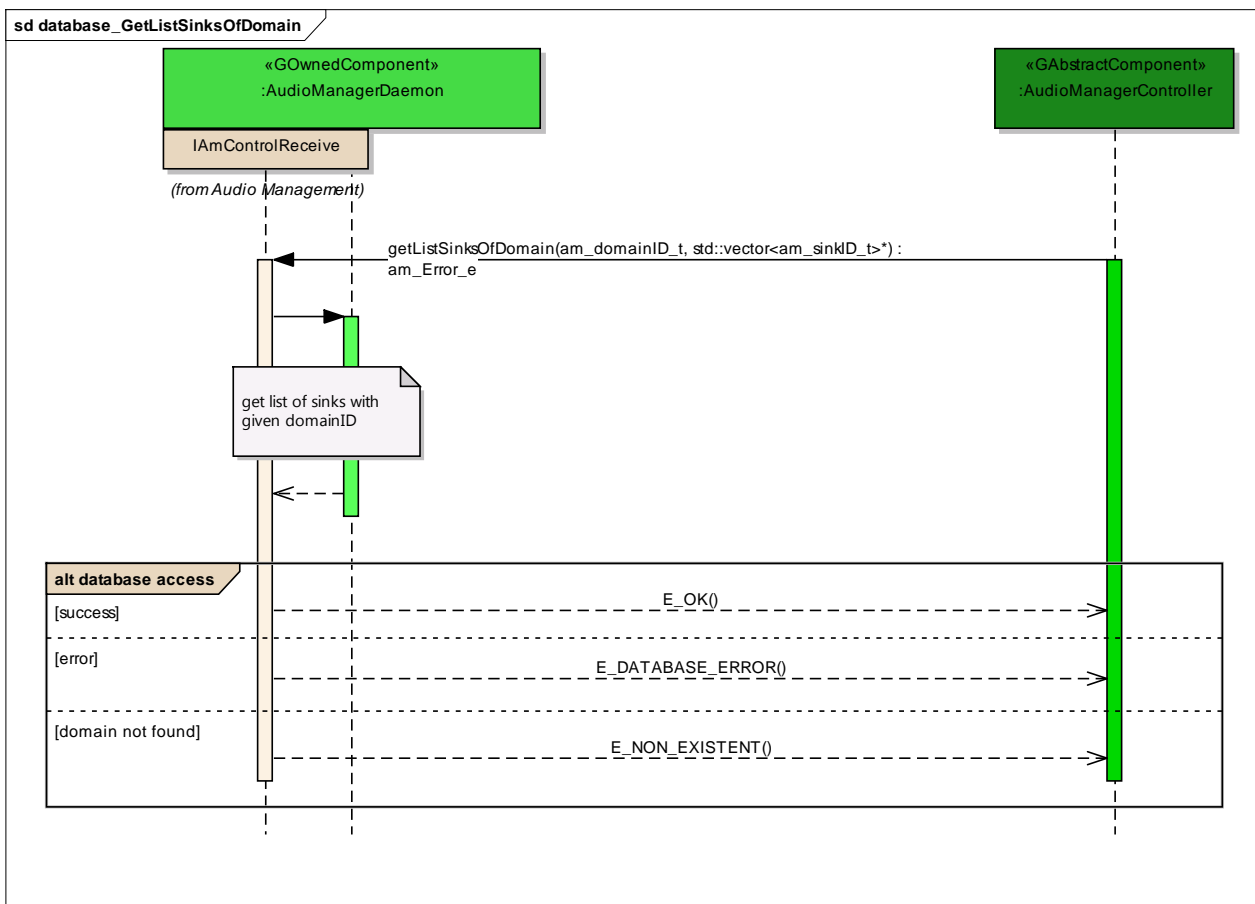


Figure: 37

## database access

*Type:* **InteractionFragment**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* database\_GetListSinksOfDomain *Keywords:*  
*Detail:* Created on 10.10.2011. Last modified on 10.10.2011.  
*GUID:* {73F01233-775D-40f6-97B0-7D2FD9FEF9FF}

## database\_GetListConnections

*Type:* **Package**  
*Status:* Reworked. Version 1.0. Phase 1.0.  
*Package:* Database Access  
*Detail:* Created on 23.09.2011. Last modified on 07.10.2011  
*GUID:* {59E96D9F-F0F0-4d67-962A-400824E2F9A4}

### **database\_GetListConnections** - (Interaction diagram)

*Created By:* christian on 23.09.2011  
*Last Modified:* 07.10.2011  
*Version:* 1.0. *Locked:* False  
*GUID:* {2CBA0F94-3006-492d-8E8C-5886A19BD7AE}

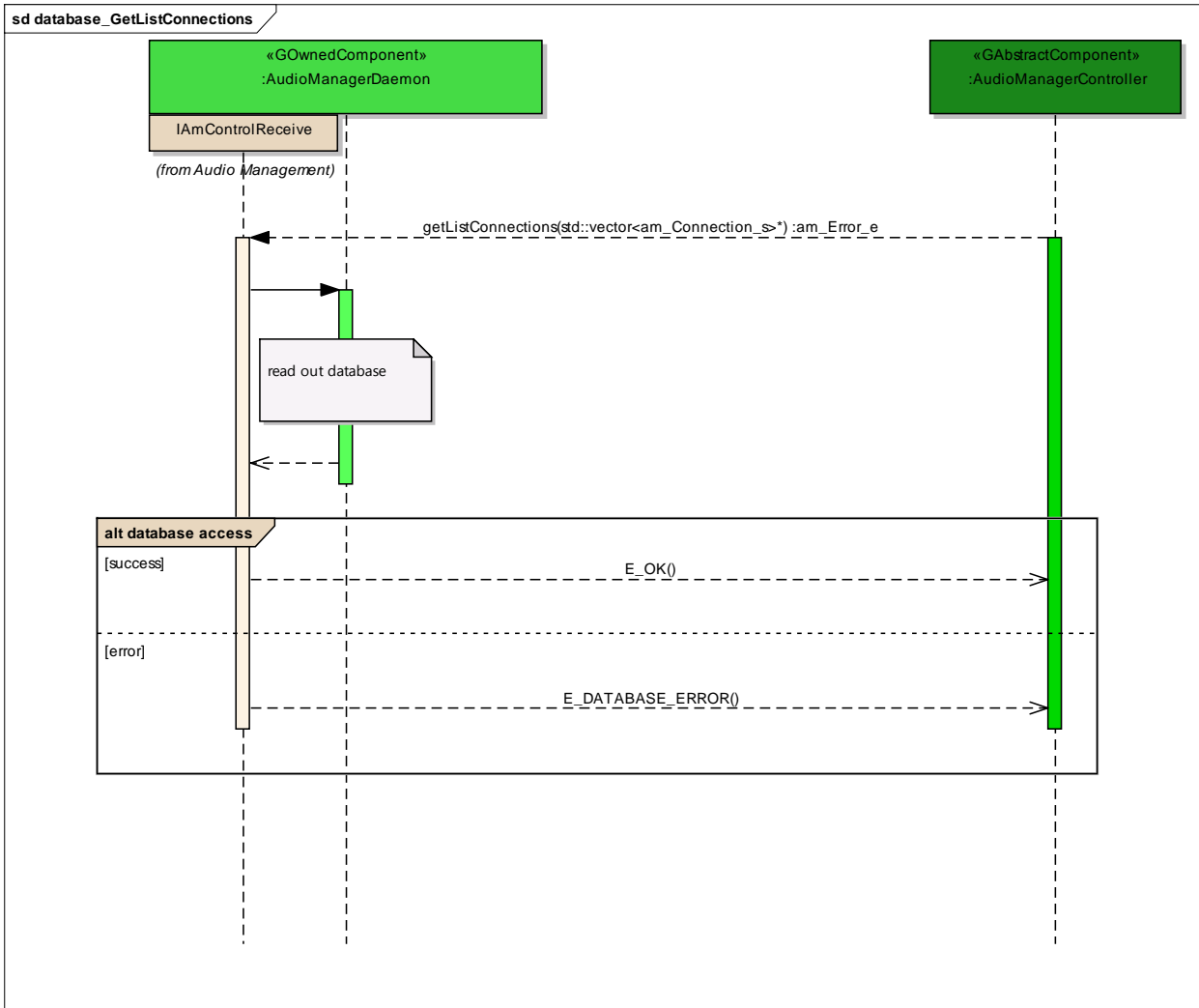


Figure: 38

### database access

Type: **InteractionFragment**  
 Status: Proposed. Version 1.0. Phase 1.0.  
 Package: database\_GetListConnections *Keywords:*  
 Detail: Created on 07.10.2011. Last modified on 07.10.2011.  
 GUID: {951B2B4D-6A3D-43dd-9713-9F029DEF3DD5}

### database\_GetListDomains

Type: **Package**  
 Status: Reworked. Version 1.0. Phase 1.0.  
 Package: Database Access  
 Detail: Created on 23.09.2011. Last modified on 07.10.2011

**GUID:** {ACE45F10-68F8-41f7-971F-CB7A0F7E6ECE}

**database\_GetListDomains** - (Interaction diagram)

**Created By:** christian on 23.09.2011

**Last Modified:** 07.10.2011

**Version:** 1.0. **Locked:** False

**GUID:** {32321FD4-B506-42c9-9435-9F444FF5EB8B}

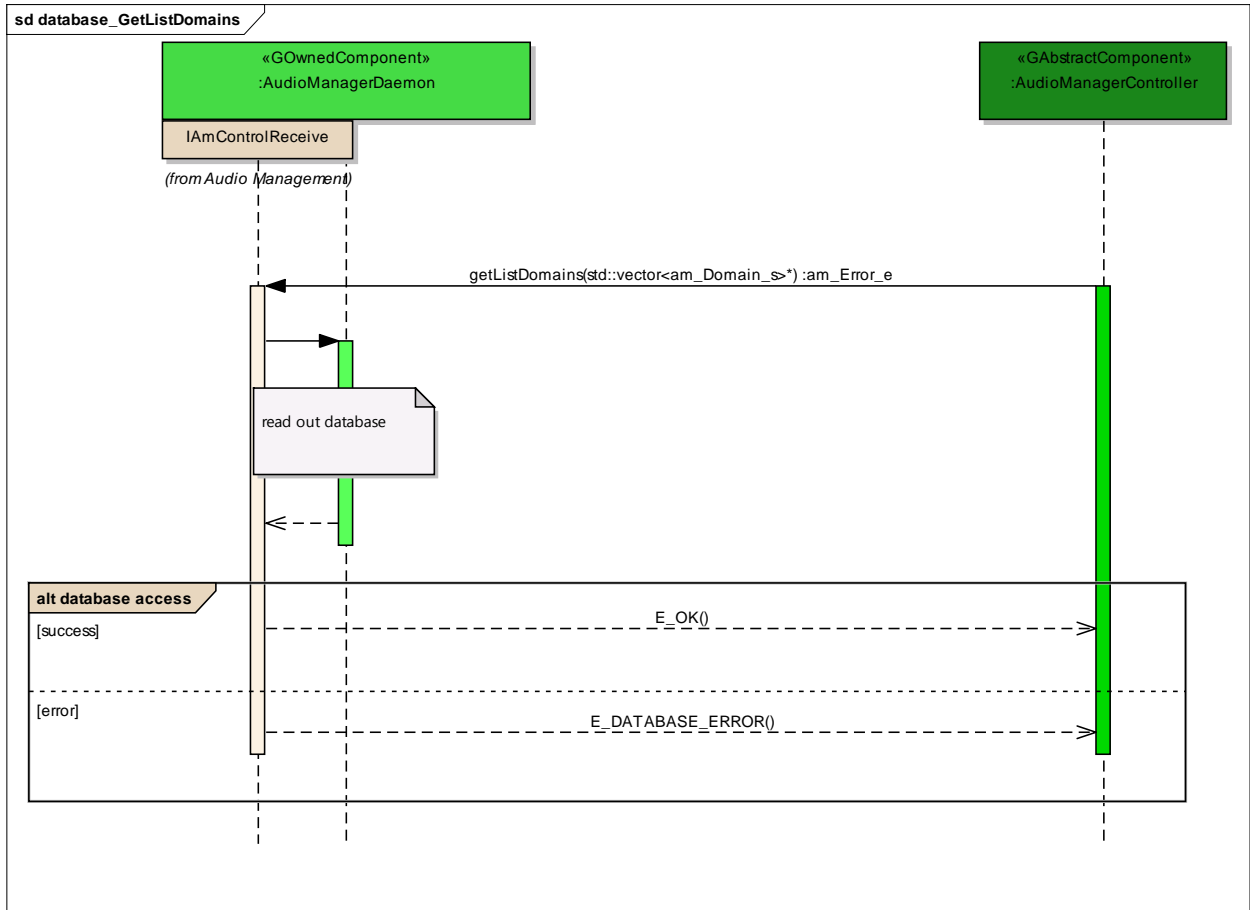


Figure: 39

**database access**

**Type:** InteractionFragment

**Status:** Proposed. Version 1.0. Phase 1.0.

**Package:** database\_GetListDomains **Keywords:**

**Detail:** Created on 07.10.2011. Last modified on 07.10.2011.

**GUID:** {09793094-9B3E-48b6-9792-328AA688E32F}

**database\_GetListMainConnections**

**Type:** **Package**  
**Status:** Reworked. Version 1.0. Phase 1.0.  
**Package:** Database Access  
**Detail:** Created on 23.09.2011. Last modified on 07.10.2011  
**GUID:** {26701B35-676A-41ea-80E2-2E2F039E41F5}

**database GetListMainConnections** - (Interaction diagram)

**Created By:** christian on 23.09.2011  
**Last Modified:** 07.12.2011  
**Version:** 1.0. *Locked:* False  
**GUID:** {8EC1E715-DE8B-43c1-8711-2296A110A9A9}

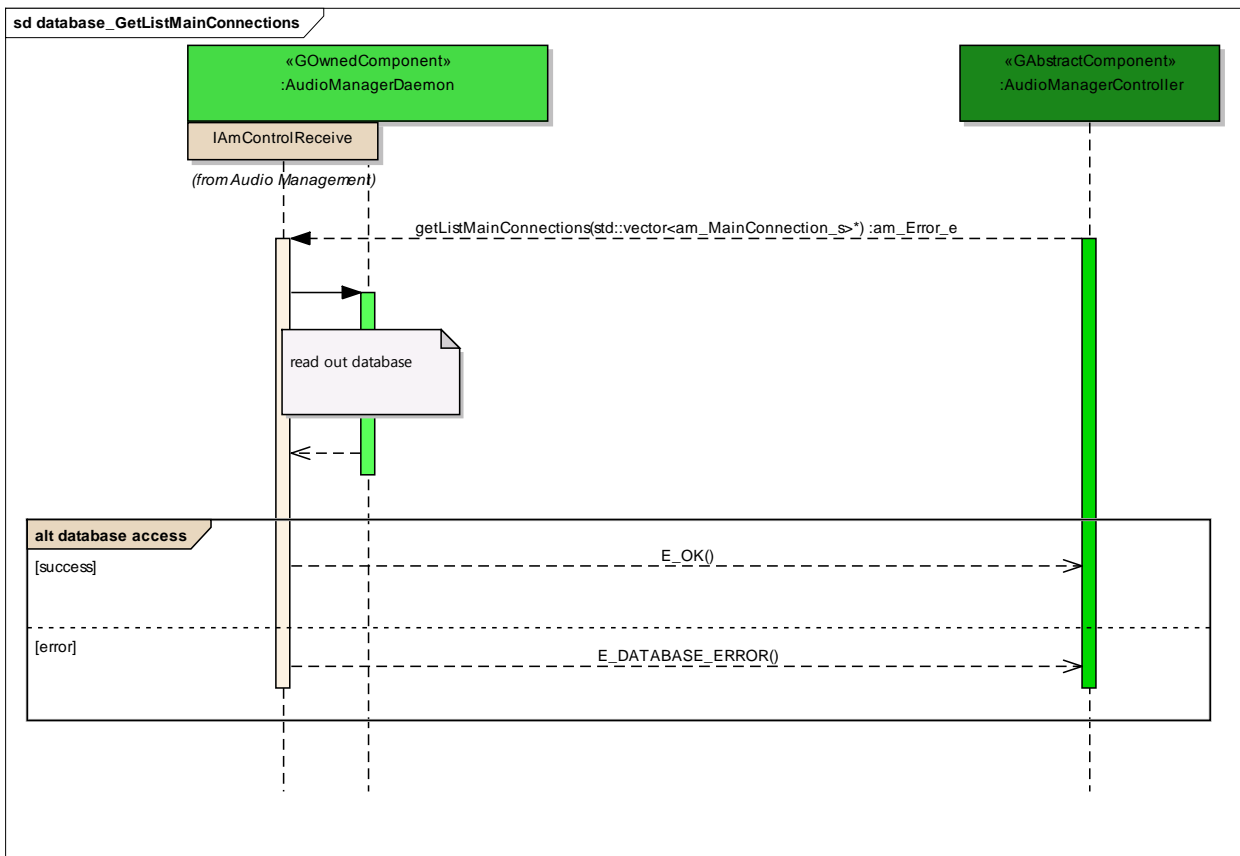


Figure: 40

**database access**

**Type:** **InteractionFragment**  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** database\_GetListMainConnections *Keywords:*  
**Detail:** Created on 07.10.2011. Last modified on 07.10.2011.  
**GUID:** {A542CF87-612B-4e45-BEC2-448F9A402551}

## database\_GetListSystemProperties

**Type:** Package  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** Database Access  
**Detail:** Created on 07.12.2011. Last modified on 07.12.2011  
**GUID:** {3E8BD4CB-AE72-48b5-A1BE-6B2AD3509D30}

### database\_GetListSystemProperties - (Interaction diagram)

**Created By:** christian on 07.12.2011  
**Last Modified:** 07.12.2011  
**Version:** 1.0. **Locked:** False  
**GUID:** {4F96A831-DF1A-450c-9CEB-D4AF333C27E7}

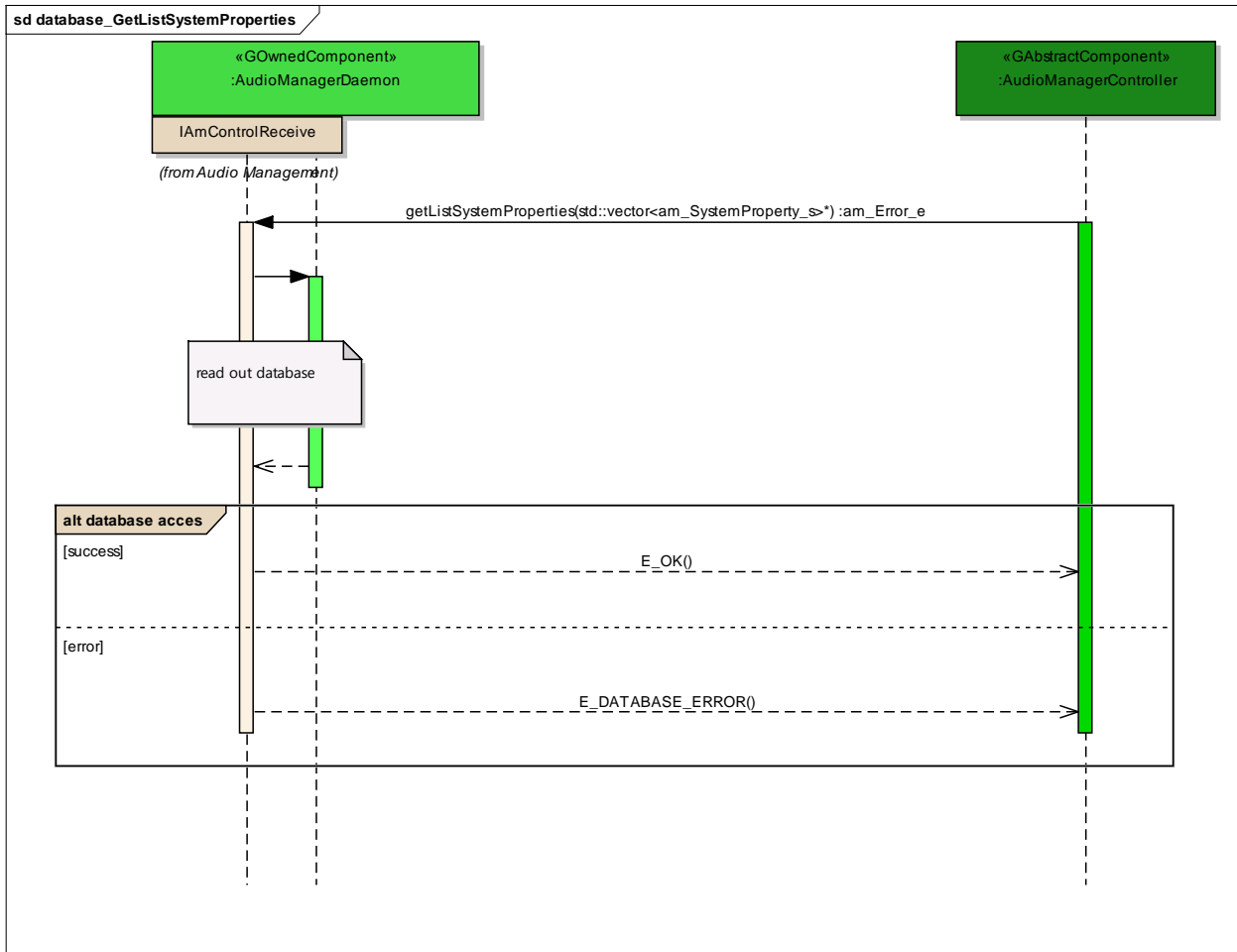


Figure: 41

### database acces

**Type:** InteractionFragment  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** database\_GetListSystemProperties **Keywords:**  
**Detail:** Created on 07.12.2011. Last modified on 07.12.2011.  
**GUID:** {4E83FD7B-289B-49cd-8A06-833C0B401C7C}

## database\_GetSinkClass

Type: **Package**  
 Status: Reworked. Version 1.0. Phase 1.0.  
 Package: Database Access  
 Detail: Created on 14.09.2011. Last modified on 07.10.2011  
 GUID: {A249DF43-4A01-4c08-8A59-39A1FCA62370}

### database\_GetSinkClass - (Interaction diagram)

Created By: christian on 14.09.2011  
 Last Modified: 07.10.2011  
 Version: 1.0. Locked: False  
 GUID: {C8687129-D66F-47ec-BA00-F100E96FA067}

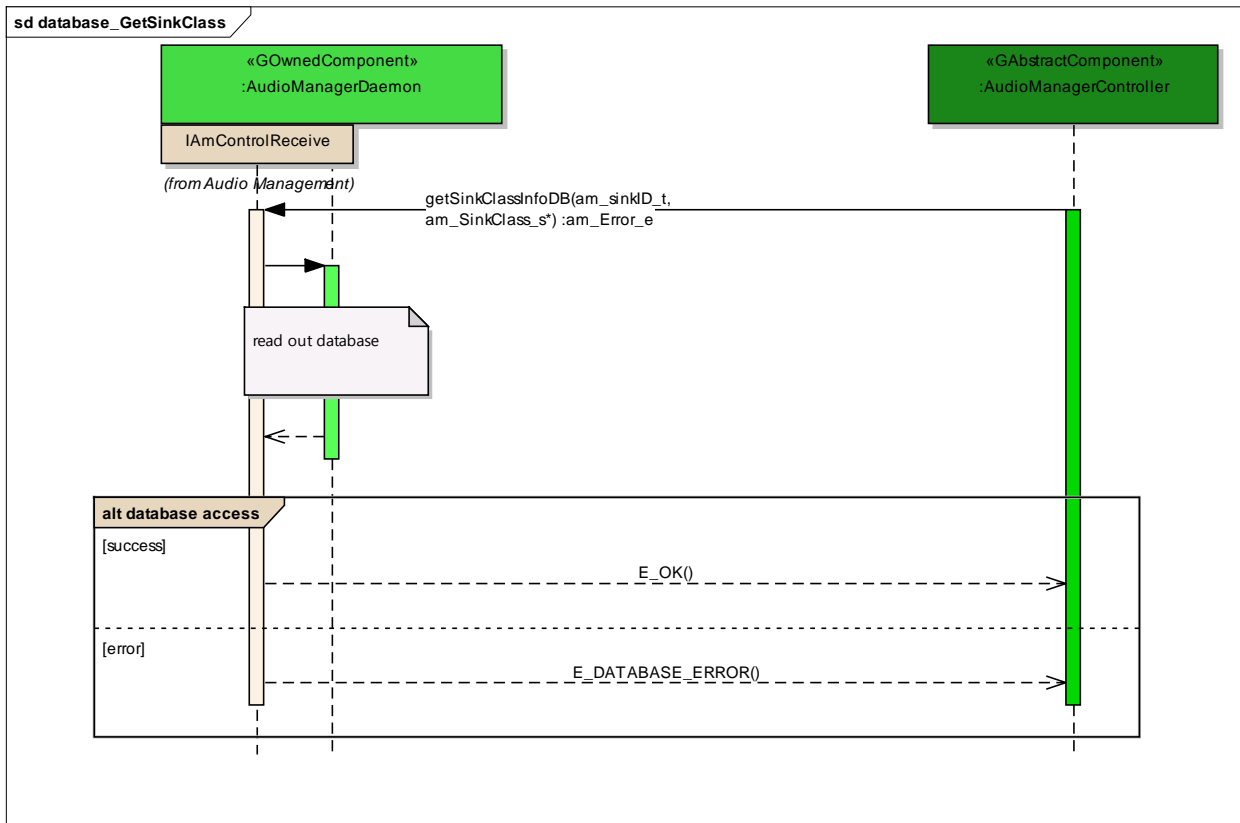


Figure: 42

## database access

Type: **InteractionFragment**  
 Status: Proposed. Version 1.0. Phase 1.0.  
 Package: database\_GetSinkClass **Keywords:**  
 Detail: Created on 07.10.2011. Last modified on 07.10.2011.  
 GUID: {27A53204-424E-467c-B4F2-04C4F1C0CBA7}



## database\_GetSourceClass

**Type:** Package  
**Status:** Reworked. Version 1.0. Phase 1.0.  
**Package:** Database Access  
**Detail:** Created on 13.09.2011. Last modified on 07.10.2011  
**GUID:** {D055786C-51CB-4558-8471-75D3BE9F60D0}

### database\_GetSourceClass - (Interaction diagram)

**Created By:** christian on 13.09.2011  
**Last Modified:** 07.10.2011  
**Version:** 1.0. **Locked:** False  
**GUID:** {0A76F246-18A3-43c7-8FC4-BC811C183AA8}

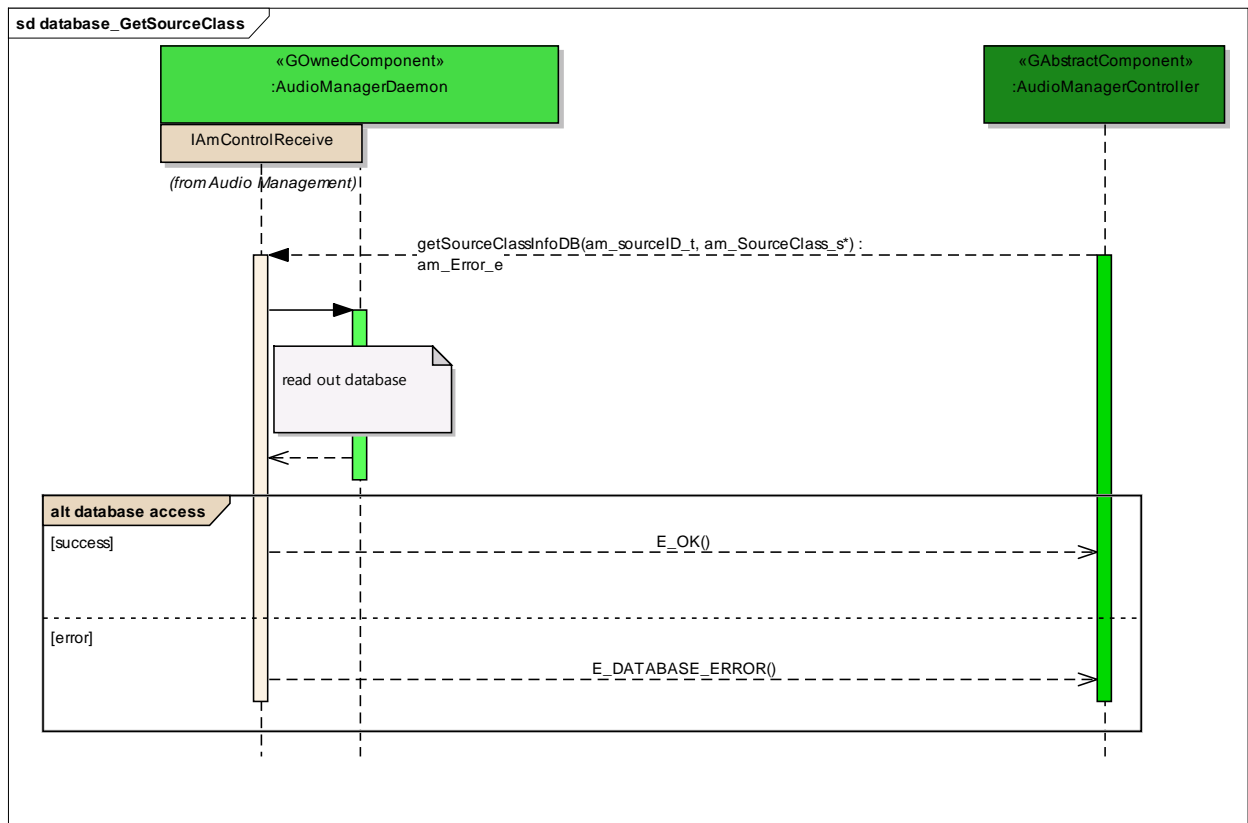


Figure: 43

### database access

**Type:** InteractionFragment  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** database\_GetSourceClass **Keywords:**  
**Detail:** Created on 07.10.2011. Last modified on 07.10.2011.

GUID: {2325A660-655E-4ce0-9BAE-1B4E5C1DD045}

## database\_ChangeSinkClass

Type: **Package**  
 Status: Reworked. Version 1.0. Phase 1.0.  
 Package: Database Access  
 Detail: Created on 15.09.2011. Last modified on 08.12.2011  
 GUID: {93A31C05-37BB-42bf-BB90-24A3998A209B}

### database\_ChangeSinkClass - (Interaction diagram)

Created By: christian on 15.09.2011  
 Last Modified: 08.12.2011  
 Version: 1.0. Locked: False  
 GUID: {3FFC7646-8490-4a1c-B4BD-71565EA85BFC}

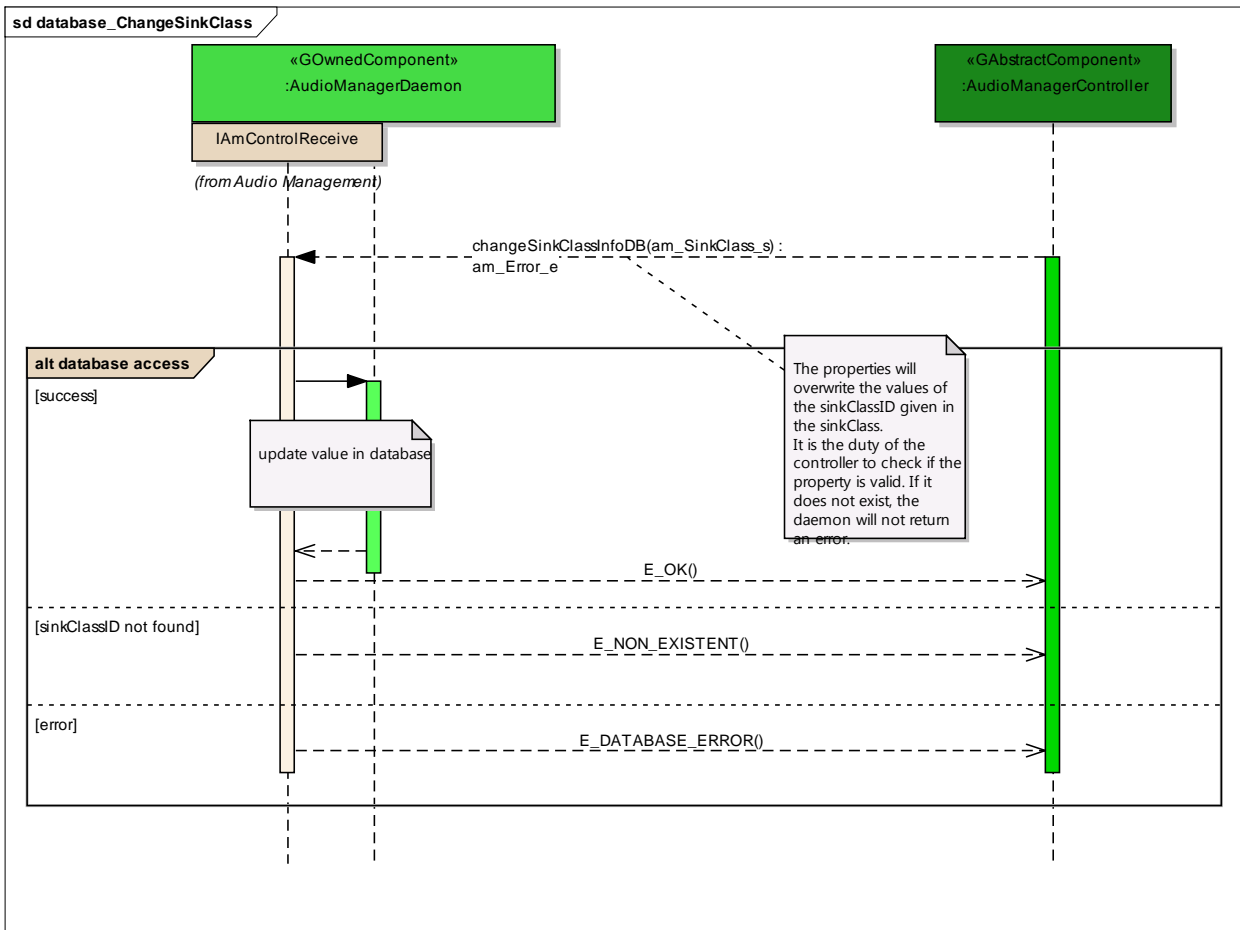


Figure: 44

## database access

*Type:* **InteractionFragment**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* database\_ChangeSinkClass *Keywords:*  
*Detail:* Created on 15.09.2011. Last modified on 08.12.2011.  
*GUID:* {1986FC88-1B1E-4805-A142-768F8C127760}

## database\_ChangeSourceClass

*Type:* **Package**  
*Status:* Reworked. Version 1.0. Phase 1.0.  
*Package:* Database Access  
*Detail:* Created on 13.09.2011. Last modified on 08.12.2011  
*GUID:* {DFF064FC-4C8B-4e85-B219-3A1BE890660D}

### **database\_ChangeSourceClass** - (Interaction diagram)

*Created By:* christian on 13.09.2011  
*Last Modified:* 08.12.2011  
*Version:* 1.0. *Locked:* False  
*GUID:* {8E132AAE-EC41-43a3-90D9-6E66FA10B288}

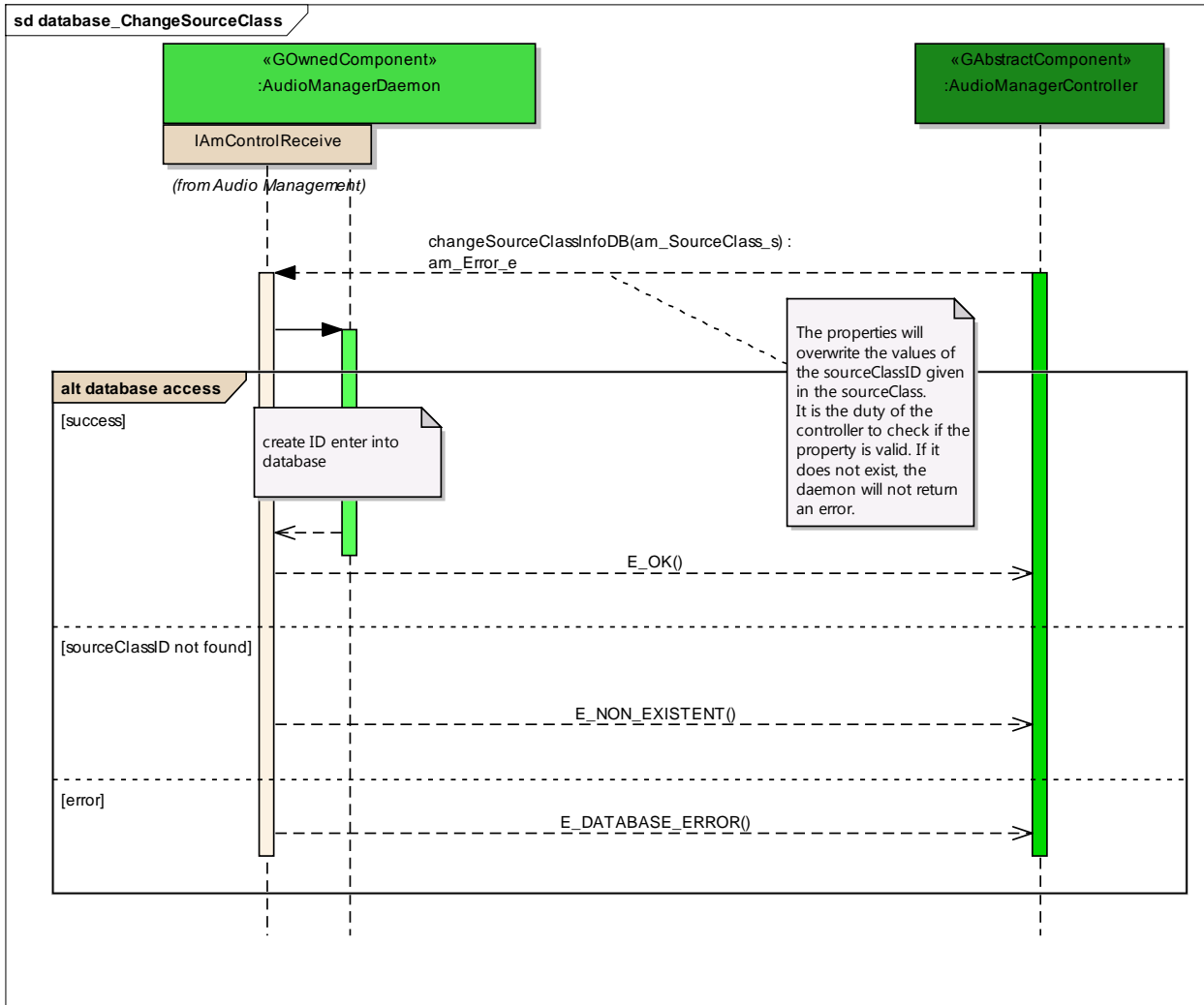


Figure: 45

### database access

Type: **InteractionFragment**  
 Status: Proposed. Version 1.0. Phase 1.0.  
 Package: database\_ChangeSourceClass *Keywords:*  
 Detail: Created on 14.09.2011. Last modified on 08.12.2011.  
 GUID: {37CE53CF-F97B-454d-BE43-C09C9045059D}

### database\_ChangeMainConnectionState

Type: **Package**  
 Status: Reworked. Version 1.0. Phase 1.0.  
 Package: Database Access  
 Detail: Created on 10.10.2011. Last modified on 10.10.2011  
 GUID: {852956B0-650A-46d8-847E-86BE47F4721D}

**database\_ChangeMainConnectionState** - (Interaction diagram)

Created By: christian on 10.10.2011  
 Last Modified: 10.10.2011  
 Version: 1.0. Locked: False  
 GUID: {02BD03F9-0136-4c2e-B595-63FA33D7C4C9}

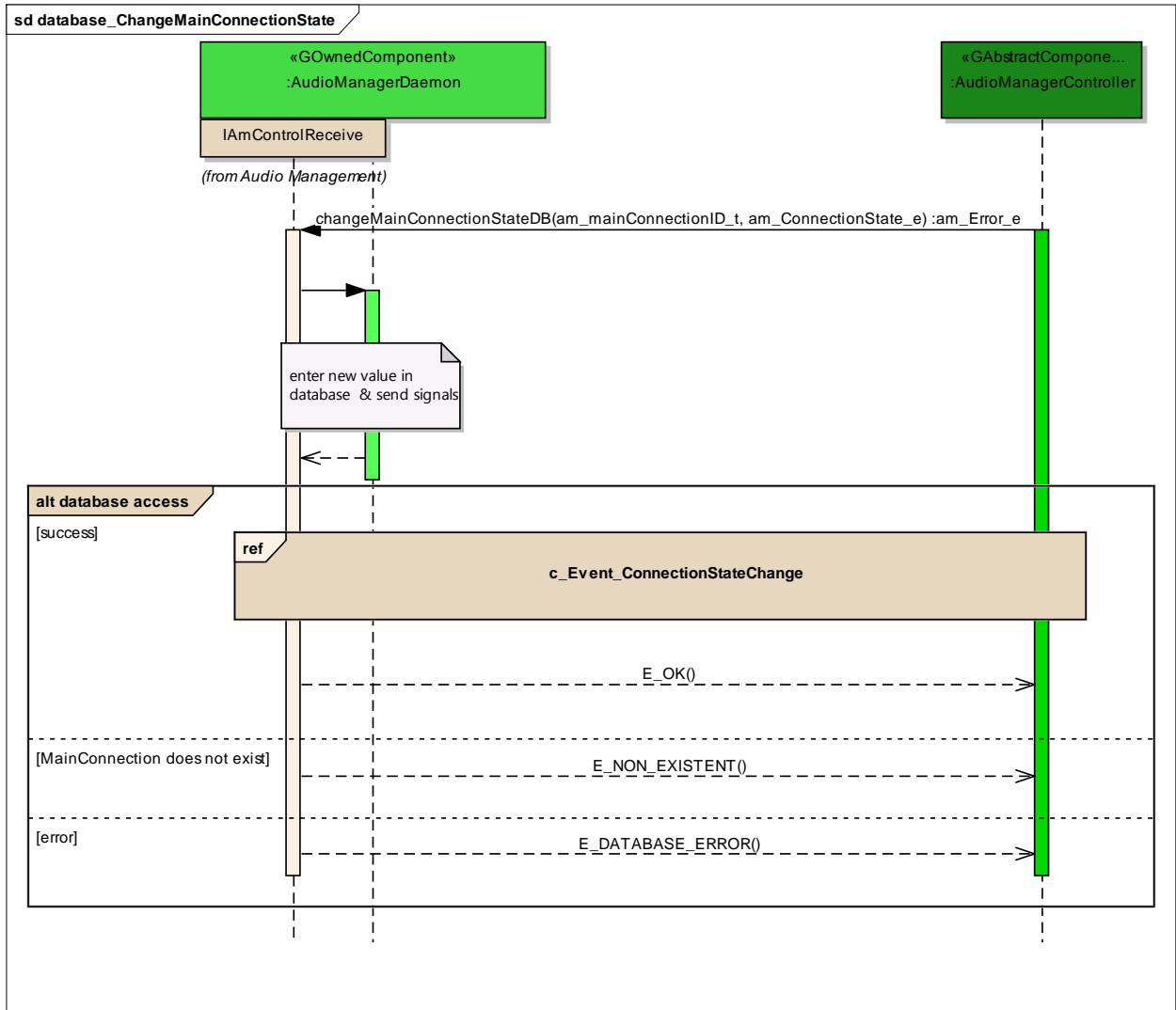


Figure: 46

**c\_Event\_ConnectionStateChange**

Type: **InteractionOccurrence**  
 Status: Proposed. Version 1.0. Phase 1.0.  
 Package: database\_ChangeMainConnectionState *Keywords:*  
 Detail: Created on 10.10.2011. Last modified on 10.10.2011.  
 GUID: {BCB8206F-385F-472e-876C-3F96810620F7}

## database access

*Type:* **InteractionFragment**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* database\_ChangeMainConnectionState *Keywords:*  
*Detail:* Created on 10.10.2011. Last modified on 10.10.2011.  
*GUID:* {89CB5CBC-988A-425f-BD6C-0E867CE01805}

## database\_ChangeMainConnectionRoute

*Type:* **Package**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* Database Access  
*Detail:* Created on 20.10.2011. Last modified on 20.10.2011  
*GUID:* {98D1AA91-1AC2-4ba1-B16E-D90CDFA8AD8F}

### **database\_ChangeMainConnectionRoute** - (Interaction diagram)

*Created By:* christian on 20.10.2011  
*Last Modified:* 20.10.2011  
*Version:* 1.0. *Locked:* False  
*GUID:* {F14EEE14-1372-4c5b-862E-46E227B9843C}

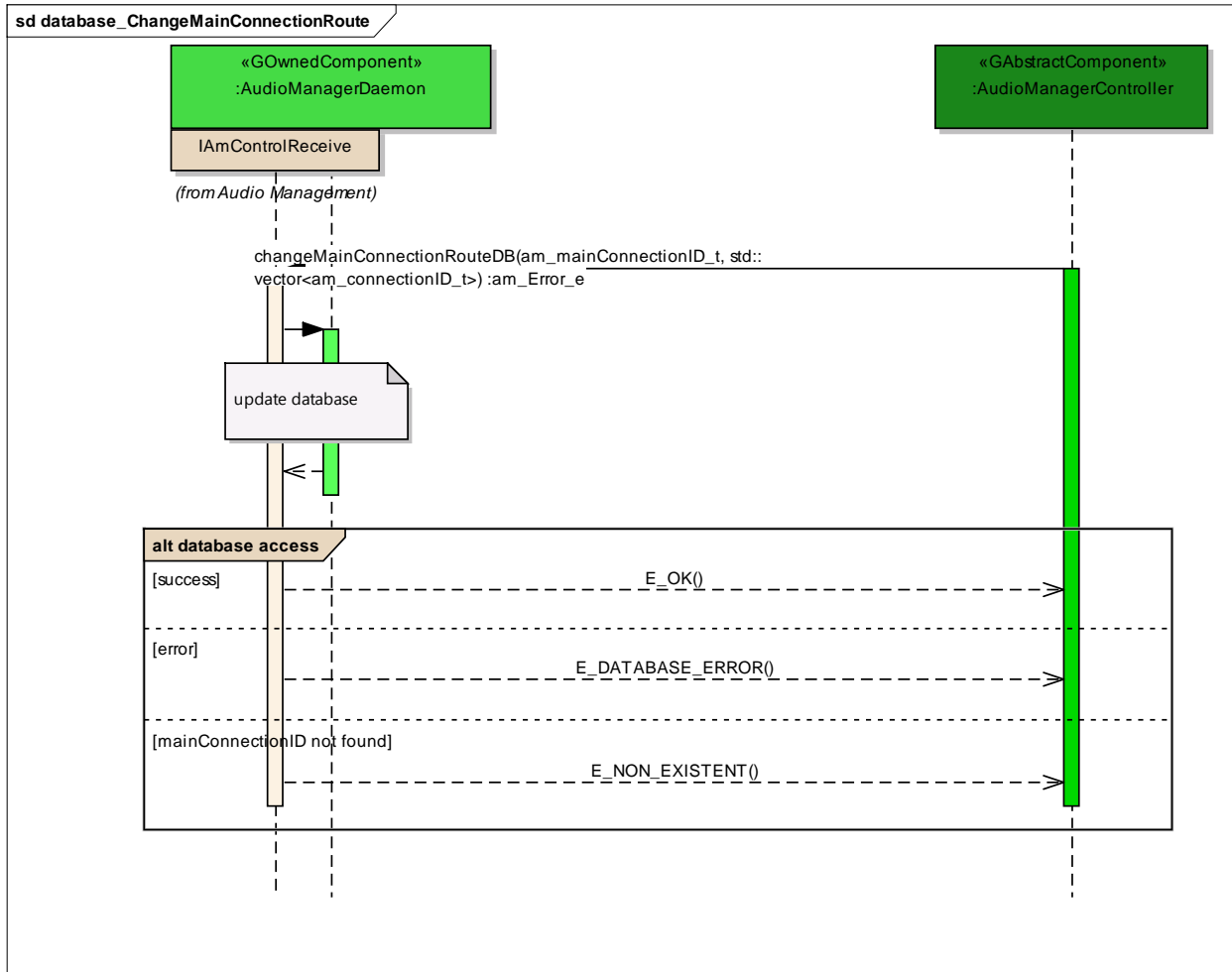


Figure: 47

### database access

**Type:** InteractionFragment  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** database\_ChangeMainConnectionRoute *Keywords:*  
**Detail:** Created on 20.10.2011. Last modified on 20.10.2011.  
**GUID:** {783BFB7A-83AA-4e70-A46D-095A11790B9F}

### database\_ChangeMuteState

**Type:** Package  
**Status:** Reworked. Version 1.0. Phase 1.0.  
**Package:** Database Access  
**Detail:** Created on 10.10.2011. Last modified on 10.10.2011  
**GUID:** {243AD1E8-E4F1-4b27-870C-B4A5280A166E}

**database\_ChangeMuteState** - (Interaction diagram)

Created By: christian on 10.10.2011  
 Last Modified: 10.10.2011  
 Version: 1.0. Locked: False  
 GUID: {8474EC2B-2CEA-4de5-8227-F32C60E20CB9}

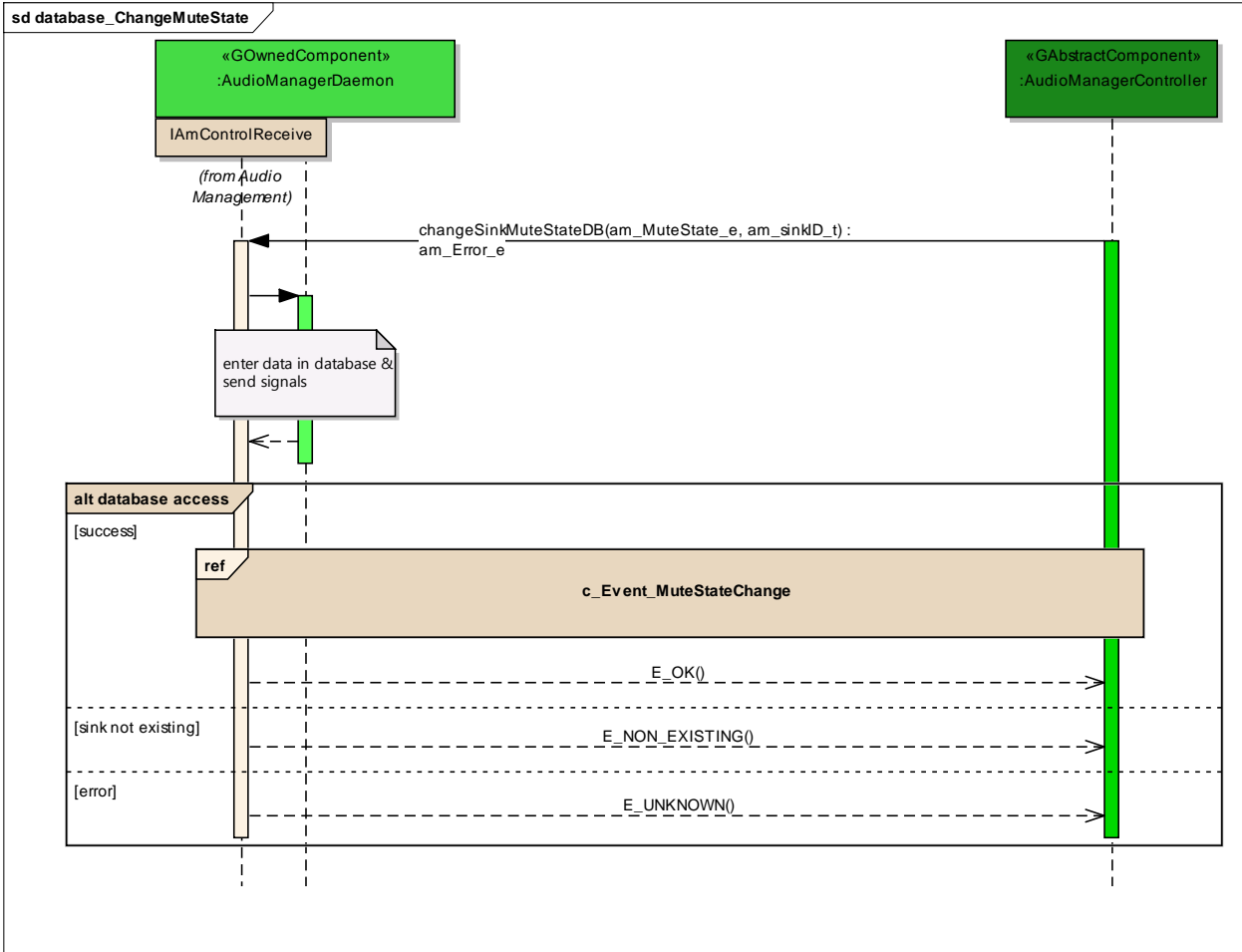


Figure: 48

**c\_Event\_MuteStateChange**

Type: **InteractionOccurrence**  
 Status: Proposed. Version 1.0. Phase 1.0.  
 Package: database\_ChangeMuteState *Keywords:*  
 Detail: Created on 10.10.2011. Last modified on 10.10.2011.  
 GUID: {E2FC79B5-3DC7-4292-879C-C71E1C48D03B}

**database access**

Type: **InteractionFragment**  
 Status: Proposed. Version 1.0. Phase 1.0.



*Package:* database\_ChangeMuteState *Keywords:*  
*Detail:* Created on 10.10.2011. Last modified on 10.10.2011.  
*GUID:* {8AFE6226-8195-4859-9398-EF0B65D36FD6}

## database\_ChangeMainSinkSoundProperty

*Type:* **Package**  
*Status:* Reworked. Version 1.0. Phase 1.0.  
*Package:* Database Access  
*Detail:* Created on 10.10.2011. Last modified on 10.10.2011  
*GUID:* {F5AD364F-BE93-4990-B485-530DFE80217A}

### database\_ChangeMainSinkSoundProperty - (Interaction diagram)

*Created By:* christian on 10.10.2011  
*Last Modified:* 08.12.2011  
*Version:* 1.0. *Locked:* False  
*GUID:* {720A8D3A-CCBF-4f06-8382-701712D06ECD}

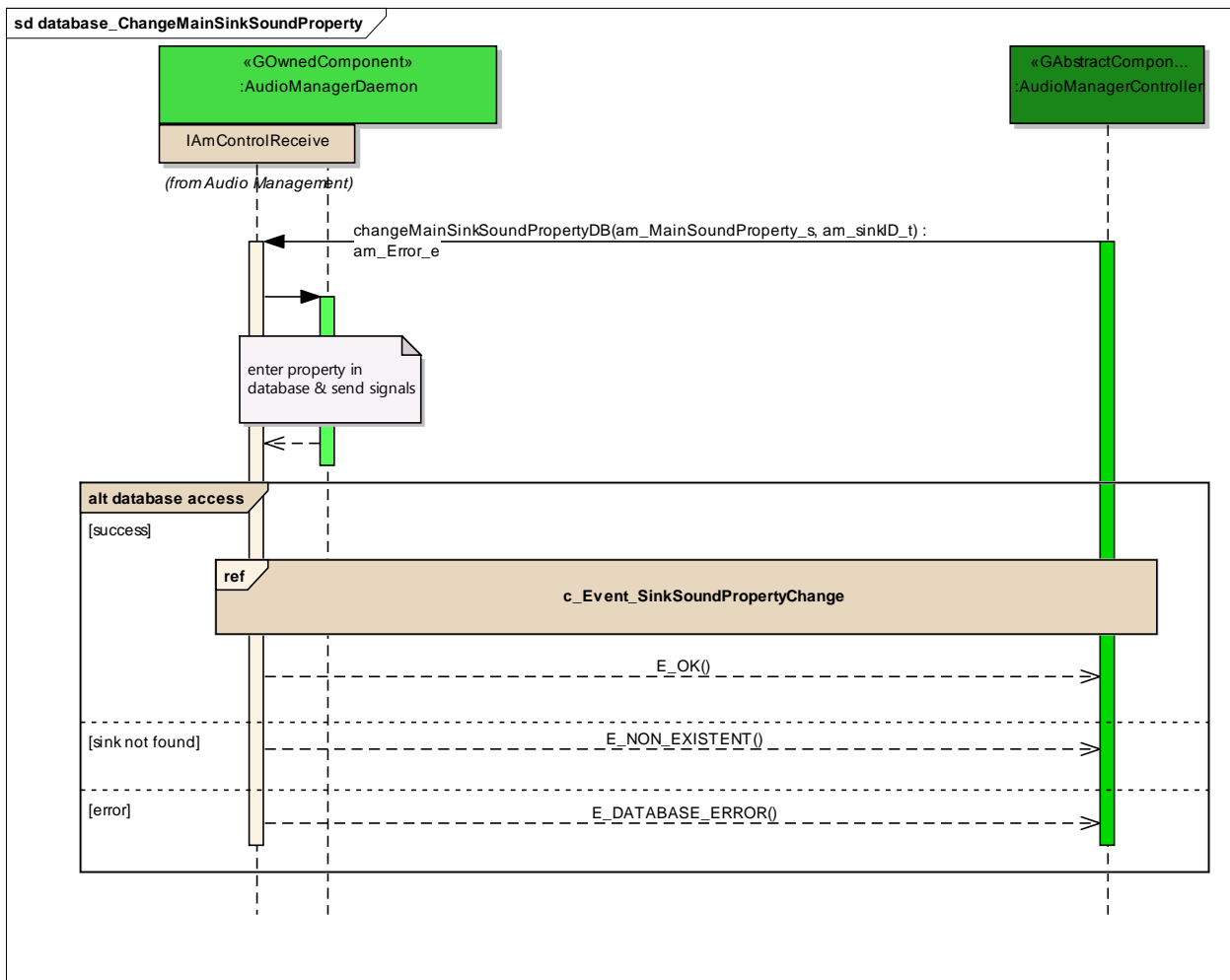


Figure: 49

## **c\_Event\_SinkSoundPropertyChange**

*Type:* **InteractionOccurrence**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* database\_ChangeMainSinkSoundProperty *Keywords:*  
*Detail:* Created on 10.10.2011. Last modified on 10.10.2011.  
*GUID:* {29D5D319-176C-40ec-87B6-638B3C8ED075}

## **database access**

*Type:* **InteractionFragment**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* database\_ChangeMainSinkSoundProperty *Keywords:*  
*Detail:* Created on 10.10.2011. Last modified on 10.10.2011.  
*GUID:* {60281A4D-AB89-4b84-9D0E-6EBCD2B35893}

## **database\_ChangeMainSourceSoundProperty**

*Type:* **Package**  
*Status:* Reworked. Version 1.0. Phase 1.0.  
*Package:* Database Access  
*Detail:* Created on 10.10.2011. Last modified on 10.10.2011  
*GUID:* {BB94662E-7BE9-4513-8407-33DF03760484}

### **database\_ChangeMainSourceSoundProperty** - (Interaction diagram)

*Created By:* christian on 10.10.2011  
*Last Modified:* 10.10.2011  
*Version:* 1.0. *Locked:* False  
*GUID:* {94F22D32-CBAC-4bb4-9981-0CFED0A28230}

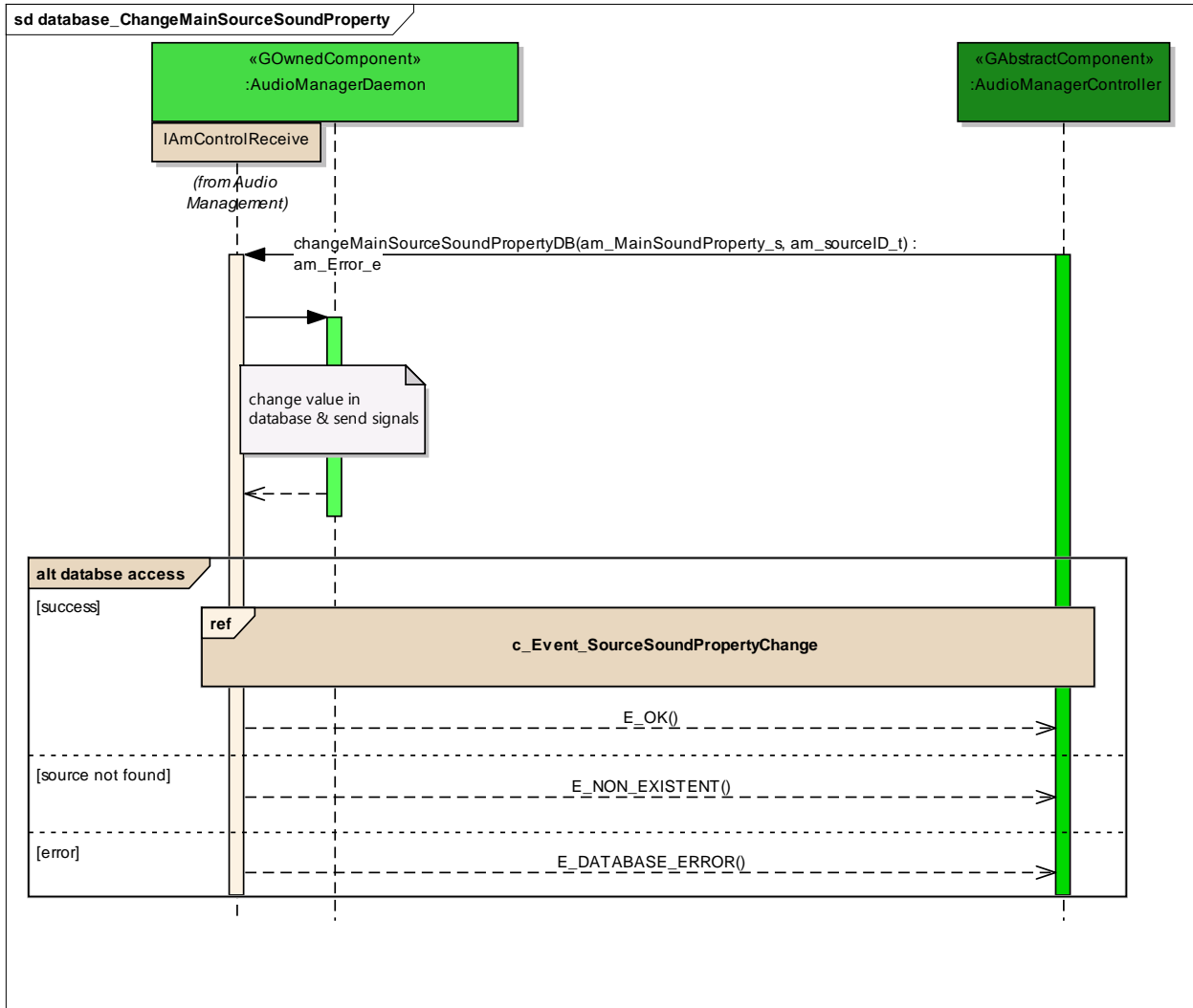


Figure: 50

### c\_Event\_SourceSoundPropertyChange

Type: **InteractionOccurrence**  
 Status: Proposed. Version 1.0. Phase 1.0.  
 Package: database\_ChangeMainSourceSoundProperty *Keywords:*  
 Detail: Created on 10.10.2011. Last modified on 10.10.2011.  
 GUID: {1EE682CB-144B-412f-A053-331842F3A8CE}

### database access

Type: **InteractionFragment**  
 Status: Proposed. Version 1.0. Phase 1.0.  
 Package: database\_ChangeMainSourceSoundProperty *Keywords:*  
 Detail: Created on 10.10.2011. Last modified on 10.10.2011.  
 GUID: {CE49F5E6-CB3B-4062-8E9B-40898F4E4E78}

## database\_ChangeSystemProperty

Type: **Package**  
 Status: Reworked. Version 1.0. Phase 1.0.  
 Package: Database Access  
 Detail: Created on 10.10.2011. Last modified on 10.10.2011  
 GUID: {19F022C9-3E53-4612-A2F9-A0733E23ADB}

### database\_ChangeSystemProperty - (Interaction diagram)

Created By: christian on 10.10.2011  
 Last Modified: 10.10.2011  
 Version: 1.0. Locked: False  
 GUID: {9A8CDAE6-7588-464d-BADE-7E479F378169}

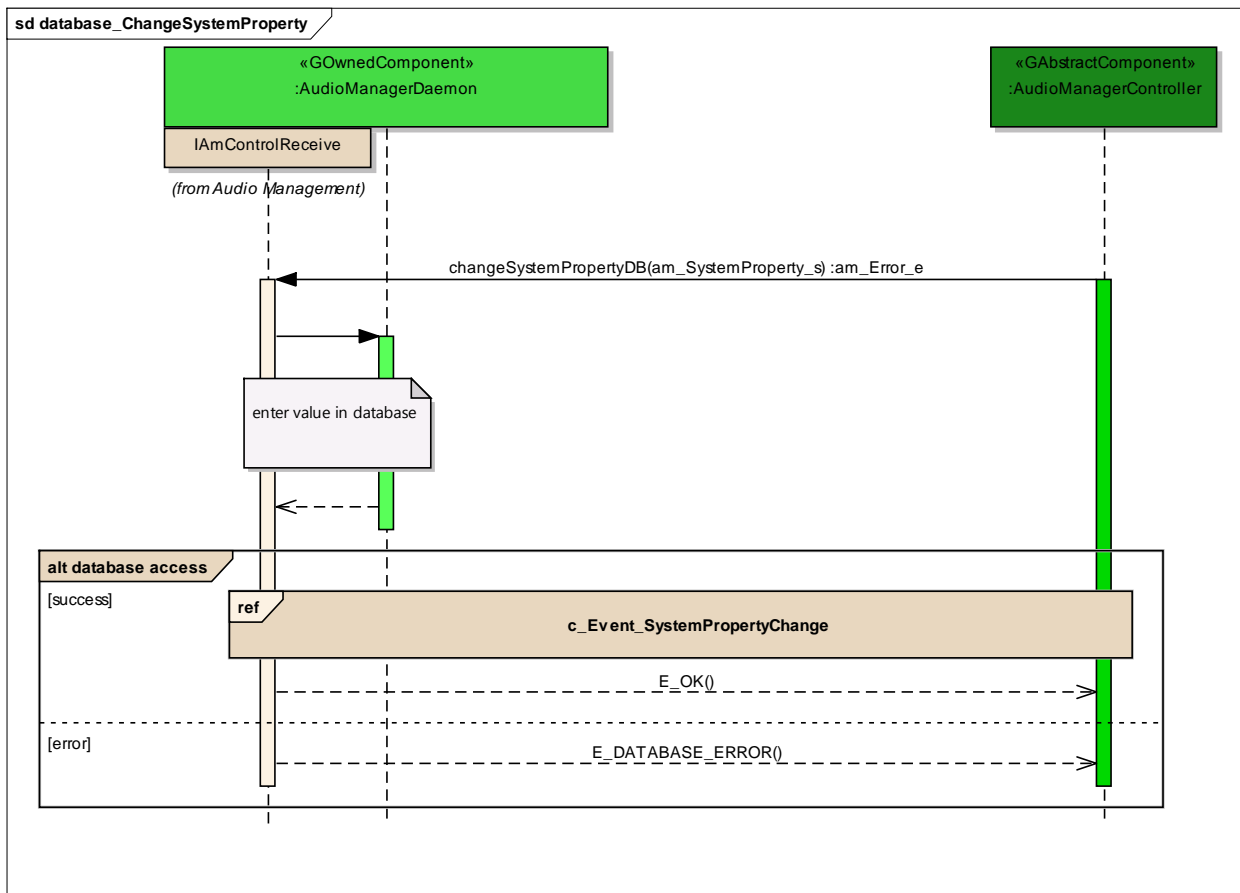


Figure: 51

## c\_Event\_SourceSoundPropertyChange

Type: **InteractionOccurrence**

*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* database\_ChangeSystemProperty *Keywords:*  
*Detail:* Created on 10.10.2011. Last modified on 10.10.2011.  
*GUID:* {B4ED3E39-DFD2-40e8-AF32-A3277850725B}

## **c\_Event\_SystemPropertyChange**

*Type:* **InteractionOccurrence**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* database\_ChangeSystemProperty *Keywords:*  
*Detail:* Created on 10.10.2011. Last modified on 10.10.2011.  
*GUID:* {E604E5C7-0421-4934-8E66-936047527999}

## **database access**

*Type:* **InteractionFragment**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* database\_ChangeSystemProperty *Keywords:*  
*Detail:* Created on 10.10.2011. Last modified on 10.10.2011.  
*GUID:* {BE504407-8A86-4de6-9703-2B527E6A1D11}

## **database\_ChangeMainVolme**

*Type:* **Package**  
*Status:* Reworked. Version 1.0. Phase 1.0.  
*Package:* Database Access  
*Detail:* Created on 10.10.2011. Last modified on 10.10.2011  
*GUID:* {1EB70720-C947-4b44-9D16-EA3D9259865B}

### **database\_ChangeMainVolme** - (Interaction diagram)

*Created By:* christian on 10.10.2011  
*Last Modified:* 10.10.2011  
*Version:* 1.0. *Locked:* False  
*GUID:* {61FB65C7-DF6B-4001-AD90-7F8543CDA922}

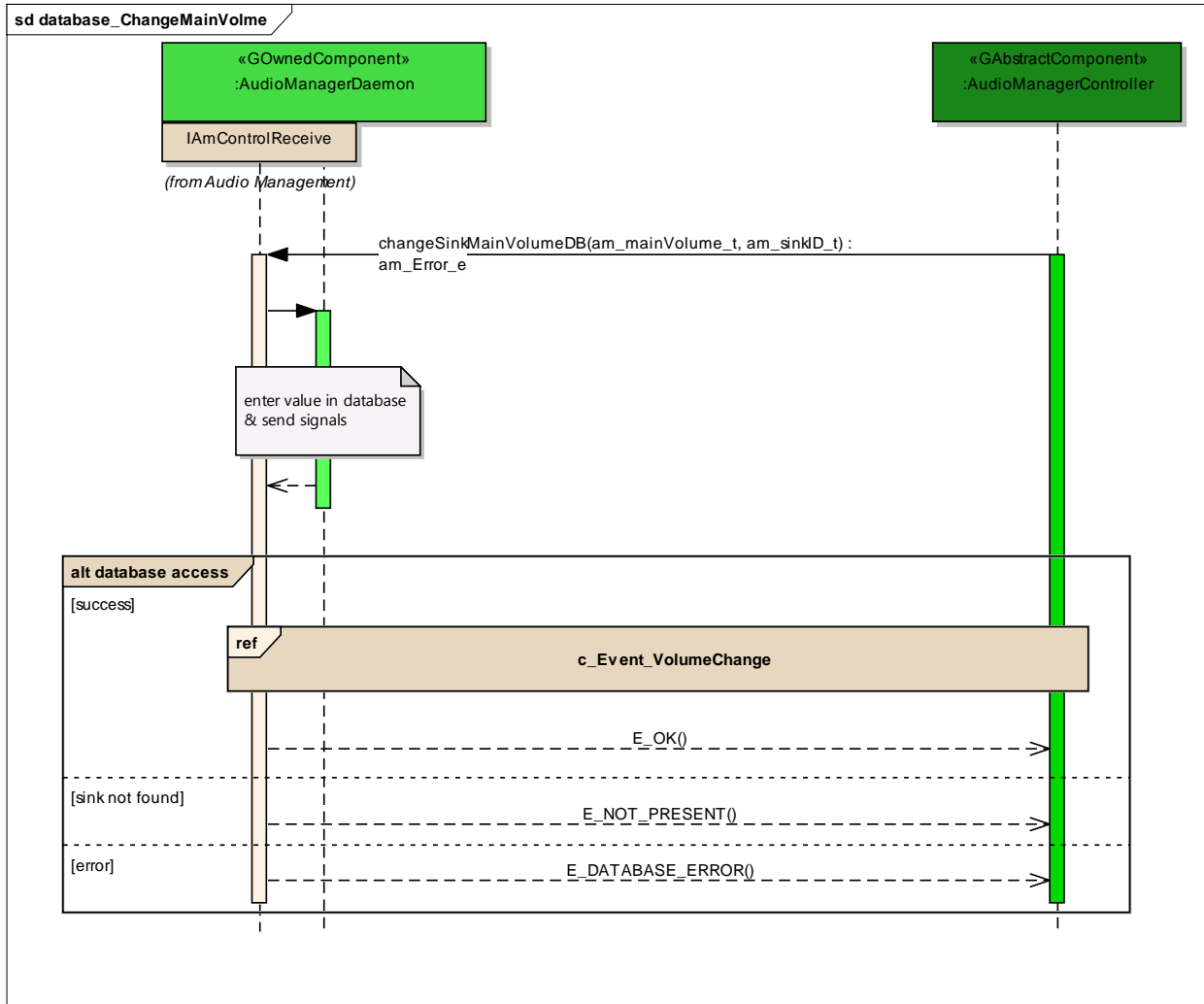


Figure: 52

### c\_Event\_VolumeChange

**Type:** InteractionOccurrence  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** database\_ChangeMainVolme *Keywords:*  
**Detail:** Created on 10.10.2011. Last modified on 10.10.2011.  
**GUID:** {DD88E74D-5F28-41e0-B41C-62C394B12C95}

### database access

**Type:** InteractionFragment  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** database\_ChangeMainVolme *Keywords:*  
**Detail:** Created on 10.10.2011. Last modified on 10.10.2011.  
**GUID:** {C8C44520-F53E-443e-A9CA-E18A3BF19D18}

## database\_ChangeDomainState

**Type:** Package  
**Status:** Reworked. Version 1.0. Phase 1.0.  
**Package:** Database Access  
**Detail:** Created on 10.10.2011. Last modified on 10.10.2011  
**GUID:** {1AC6D9DF-48DB-4ad6-A35E-AEC3AD188CF9}

### database\_ChangeDomainState - (Interaction diagram)

**Created By:** christian on 10.10.2011  
**Last Modified:** 10.10.2011  
**Version:** 1.0. **Locked:** False  
**GUID:** {38972680-16F8-4ebf-AF67-65619A564F58}

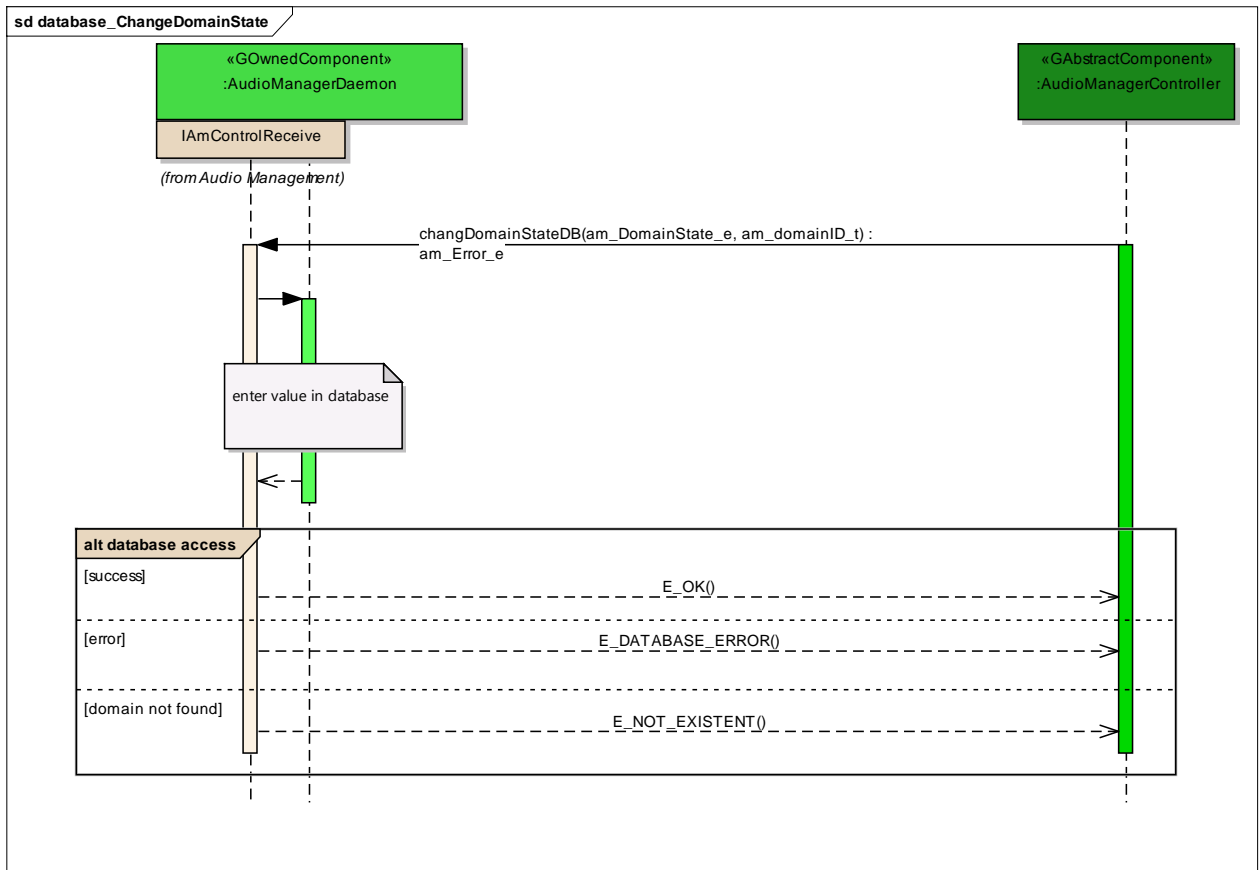


Figure: 53

## database access

**Type:** InteractionFragment  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** database\_ChangeDomainState **Keywords:**

*Detail:* Created on 10.10.2011. Last modified on 10.10.2011.  
*GUID:* {92D95688-582C-4ee6-B640-2CCDA10B1796}

## database\_ChangeSinkAvailability

*Type:* **Package**  
*Status:* Reworked. Version 1.0. Phase 1.0.  
*Package:* Database Access  
*Detail:* Created on 10.10.2011. Last modified on 10.10.2011  
*GUID:* {B6FEE5A3-7C4C-4d02-9EE7-A144BFC11EFF}

### database\_ChangeSinkAvailability - (Interaction diagram)

*Created By:* christian on 10.10.2011  
*Last Modified:* 11.10.2011  
*Version:* 1.0. *Locked:* False  
*GUID:* {9825589D-99C6-4944-B3FC-A5A5D8FA472B}

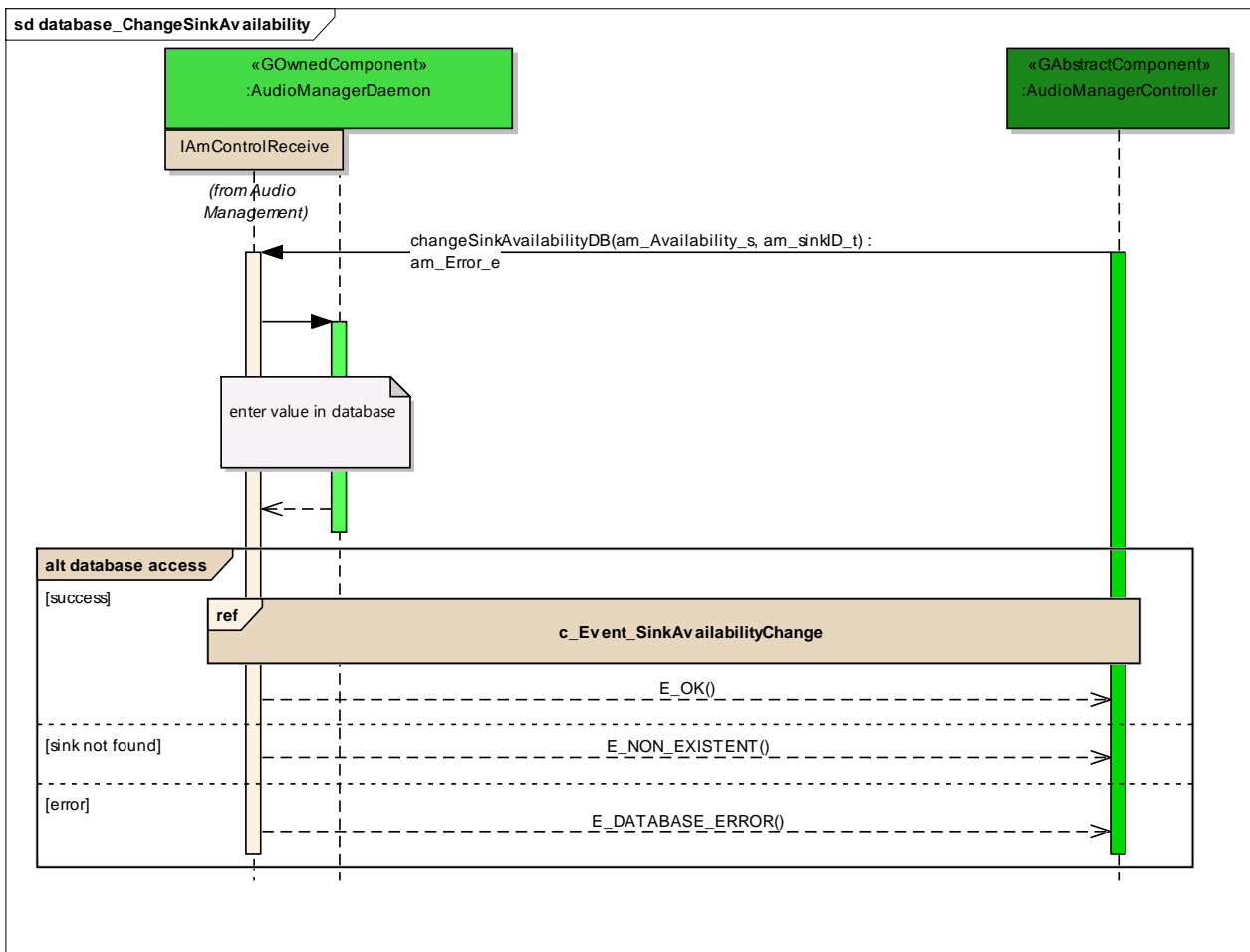


Figure: 54



## **c\_Event\_SinkAvailabilityChange**

*Type:* **InteractionOccurrence**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* database\_ChangeSinkAvailability *Keywords:*  
*Detail:* Created on 10.10.2011. Last modified on 10.10.2011.  
*GUID:* {FF97EF65-6785-407c-8A6D-7B9DCFEC60CA}

## **database access**

*Type:* **InteractionFragment**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* database\_ChangeSinkAvailability *Keywords:*  
*Detail:* Created on 10.10.2011. Last modified on 10.10.2011.  
*GUID:* {BEC05E9E-24E8-4067-BF7D-E4D10D25FB01}

## **database\_ChangeSourceAvailability**

*Type:* **Package**  
*Status:* Reworked. Version 1.0. Phase 1.0.  
*Package:* Database Access  
*Detail:* Created on 10.10.2011. Last modified on 10.10.2011  
*GUID:* {30D28AA5-E8DC-47e4-AC5D-4CD4EBECAB48}

### **database\_ChangeSourceAvailability** - (Interaction diagram)

*Created By:* christian on 10.10.2011  
*Last Modified:* 11.10.2011  
*Version:* 1.0. *Locked:* False  
*GUID:* {06E6805C-E07C-4900-B559-4636D8C1CFA7}

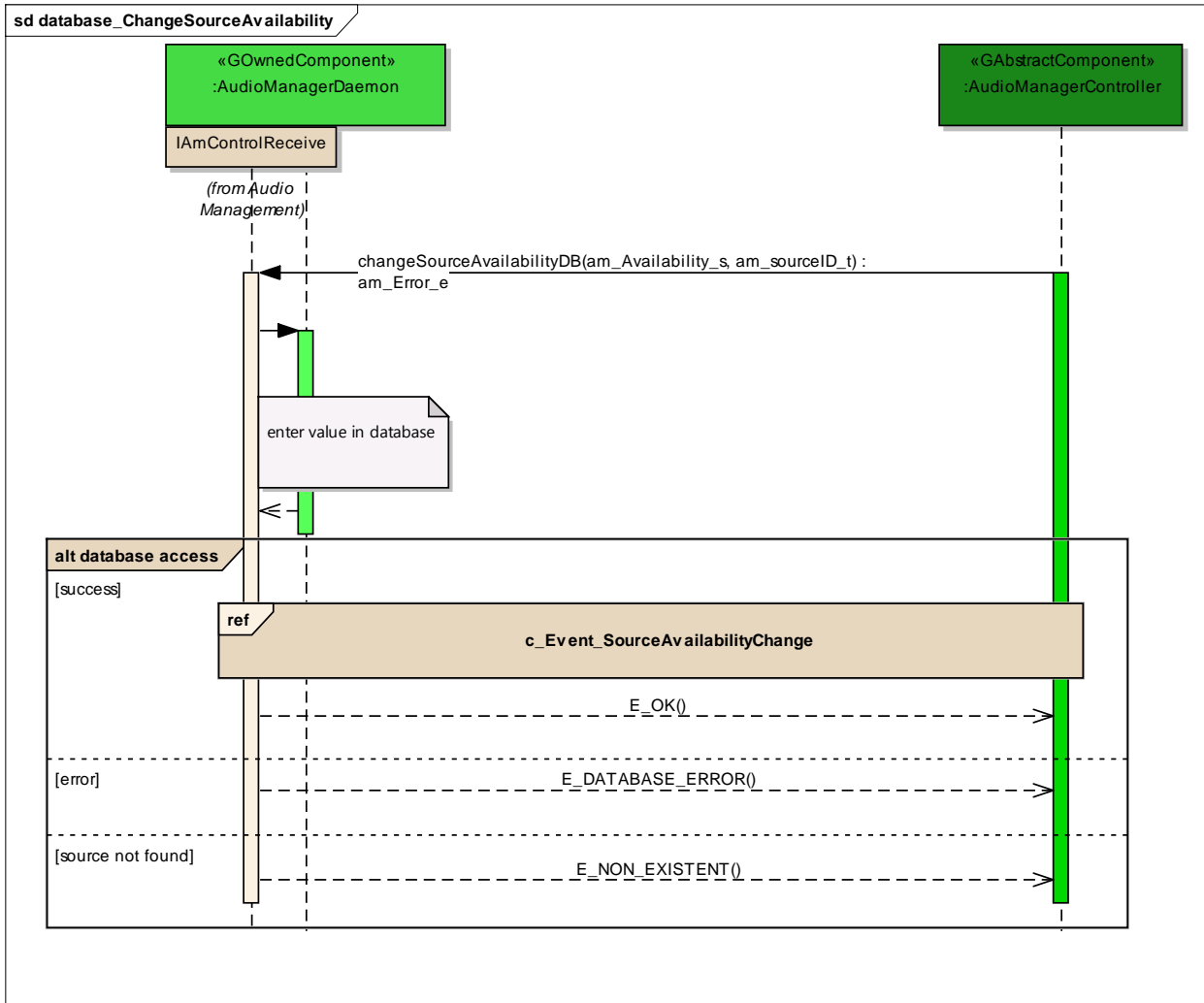


Figure: 55

### c\_Event\_SourceAvailabilityChange

Type: **InteractionOccurrence**  
 Status: Proposed. Version 1.0. Phase 1.0.  
 Package: database\_ChangeSourceAvailability *Keywords:*  
 Detail: Created on 10.10.2011. Last modified on 10.10.2011.  
 GUID: {51F84917-57AA-4075-990C-897CB7B94FB6}

### database access

Type: **InteractionFragment**  
 Status: Proposed. Version 1.0. Phase 1.0.  
 Package: database\_ChangeSourceAvailability *Keywords:*  
 Detail: Created on 10.10.2011. Last modified on 10.10.2011.  
 GUID: {50AC8655-4642-4ee8-BC7E-A0D333B3A345}

## database\_EnterMainConnection

**Type:** **Package**  
**Status:** Reworked. Version 1.0. Phase 1.0.  
**Package:** Database Access  
**Detail:** Created on 07.10.2011. Last modified on 10.10.2011  
**GUID:** {C95D2EB5-BB35-4f94-814C-30AE1F4D0998}

### database\_EnterMainConnection - (Interaction diagram)

**Created By:** christian on 07.10.2011  
**Last Modified:** 14.02.2012  
**Version:** 1.0. **Locked:** False  
**GUID:** {5DE0B5E5-25C2-4c42-9E63-CBA77DF6E014}

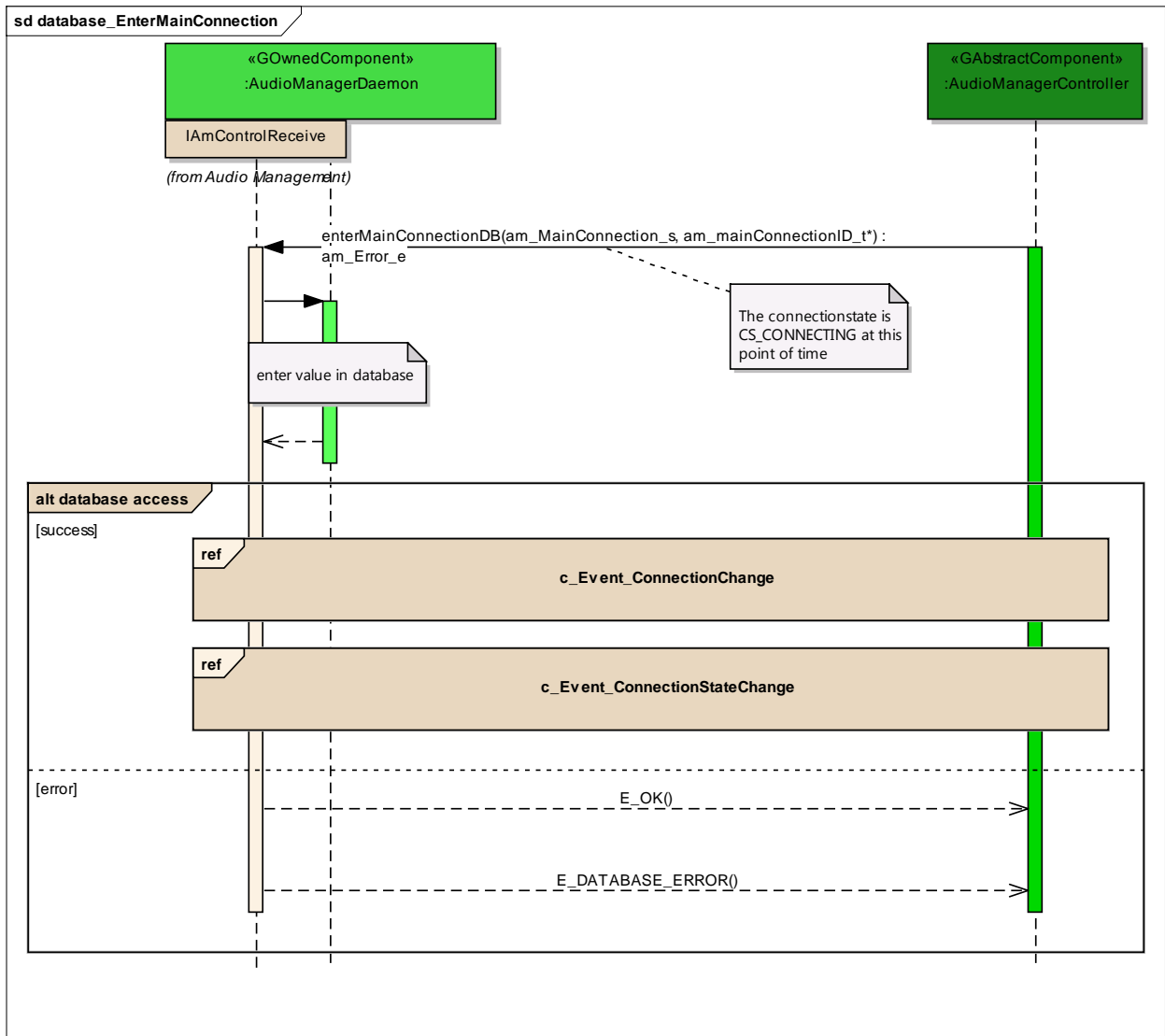


Figure: 56

## **c\_Event\_ConnectionChange**

*Type:* **InteractionOccurrence**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* database\_EnterMainConnection *Keywords:*  
*Detail:* Created on 10.10.2011. Last modified on 10.10.2011.  
*GUID:* {9E6B39E6-511D-4a46-9CC4-FB562797D9A8}

## **c\_Event\_ConnectionStateChange**

*Type:* **InteractionOccurrence**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* database\_EnterMainConnection *Keywords:*  
*Detail:* Created on 10.10.2011. Last modified on 10.10.2011.  
*GUID:* {00F8EEAF-173F-40c7-A3B6-08EB1B49B5B4}

## **database access**

*Type:* **InteractionFragment**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* database\_EnterMainConnection *Keywords:*  
*Detail:* Created on 07.10.2011. Last modified on 07.10.2011.  
*GUID:* {54414654-70E7-41f3-9880-95C9C495B14E}

## **database\_EnterSink**

*Type:* **Package**  
*Status:* Reworked. Version 1.0. Phase 1.0.  
*Package:* Database Access  
*Detail:* Created on 10.10.2011. Last modified on 10.10.2011  
*GUID:* {CED74265-48B5-451e-A76E-56CCD5B4997D}

### **database\_EnterSink** - (Interaction diagram)

*Created By:* christian on 10.10.2011  
*Last Modified:* 08.12.2011  
*Version:* 1.0. *Locked:* False  
*GUID:* {20B73B85-B430-4744-87C1-A0D19B44C7E3}

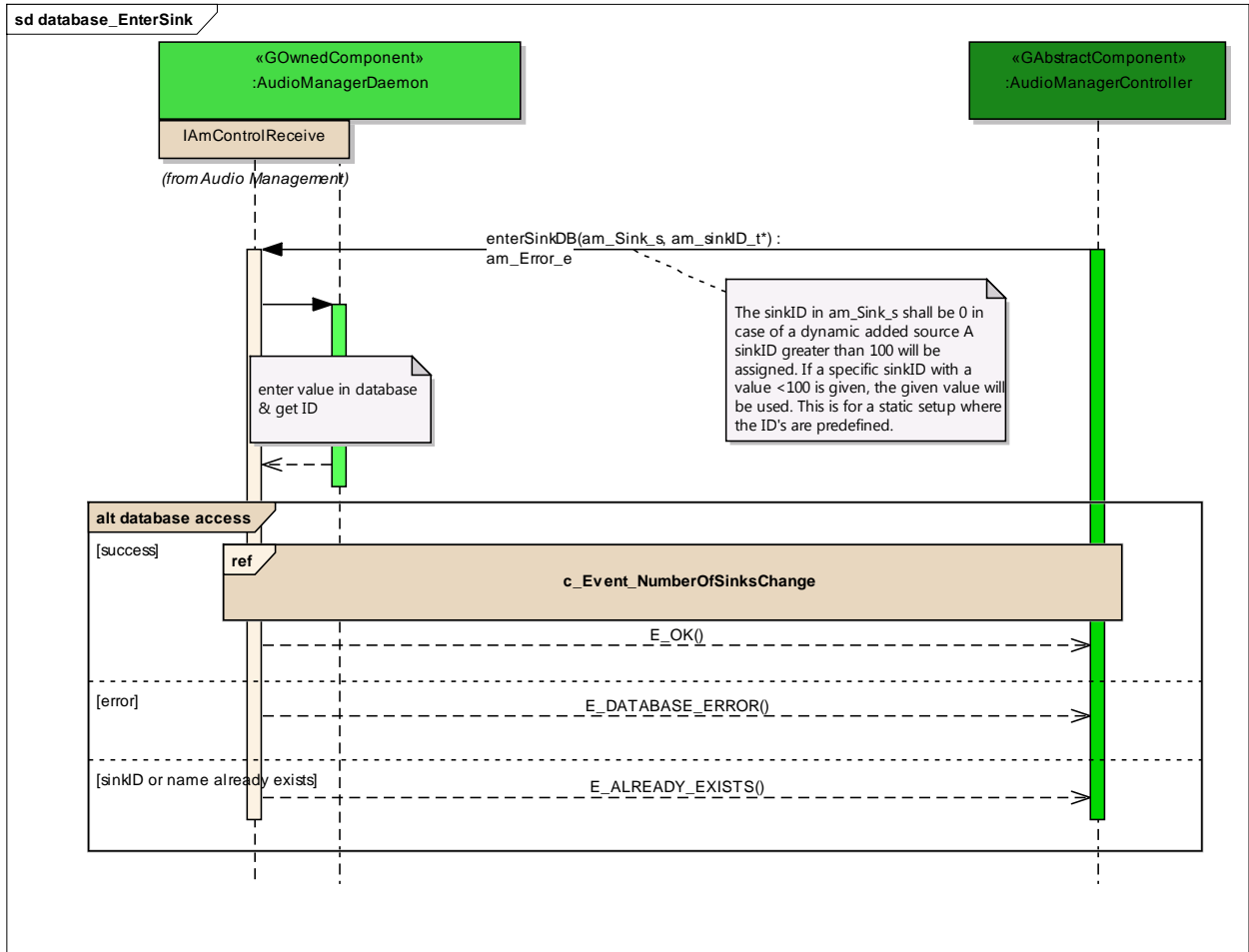


Figure: 57

### **c\_Event\_NumberOfSinksChange**

**Type:** InteractionOccurrence  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** database\_EnterSink **Keywords:**  
**Detail:** Created on 10.10.2011. Last modified on 10.10.2011.  
**GUID:** {514B1DC5-ADC2-42ad-A55D-1B4C828FC21B}

### **database access**

**Type:** InteractionFragment  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** database\_EnterSink **Keywords:**  
**Detail:** Created on 10.10.2011. Last modified on 10.10.2011.  
**GUID:** {A83C1E43-EC5E-4390-8A9A-79E0044E24B6}

## database\_EnterSource

Type: **Package**  
 Status: Reworked. Version 1.0. Phase 1.0.  
 Package: Database Access  
 Detail: Created on 10.10.2011. Last modified on 10.10.2011  
 GUID: {6DA55940-5C85-4ef2-AEE0-27D041E1EFD1}

### database\_EnterSource - (Interaction diagram)

Created By: christian on 10.10.2011  
 Last Modified: 11.10.2011  
 Version: 1.0. Locked: False  
 GUID: {2F3A7934-591B-40d9-B8C9-E4652C1EF491}

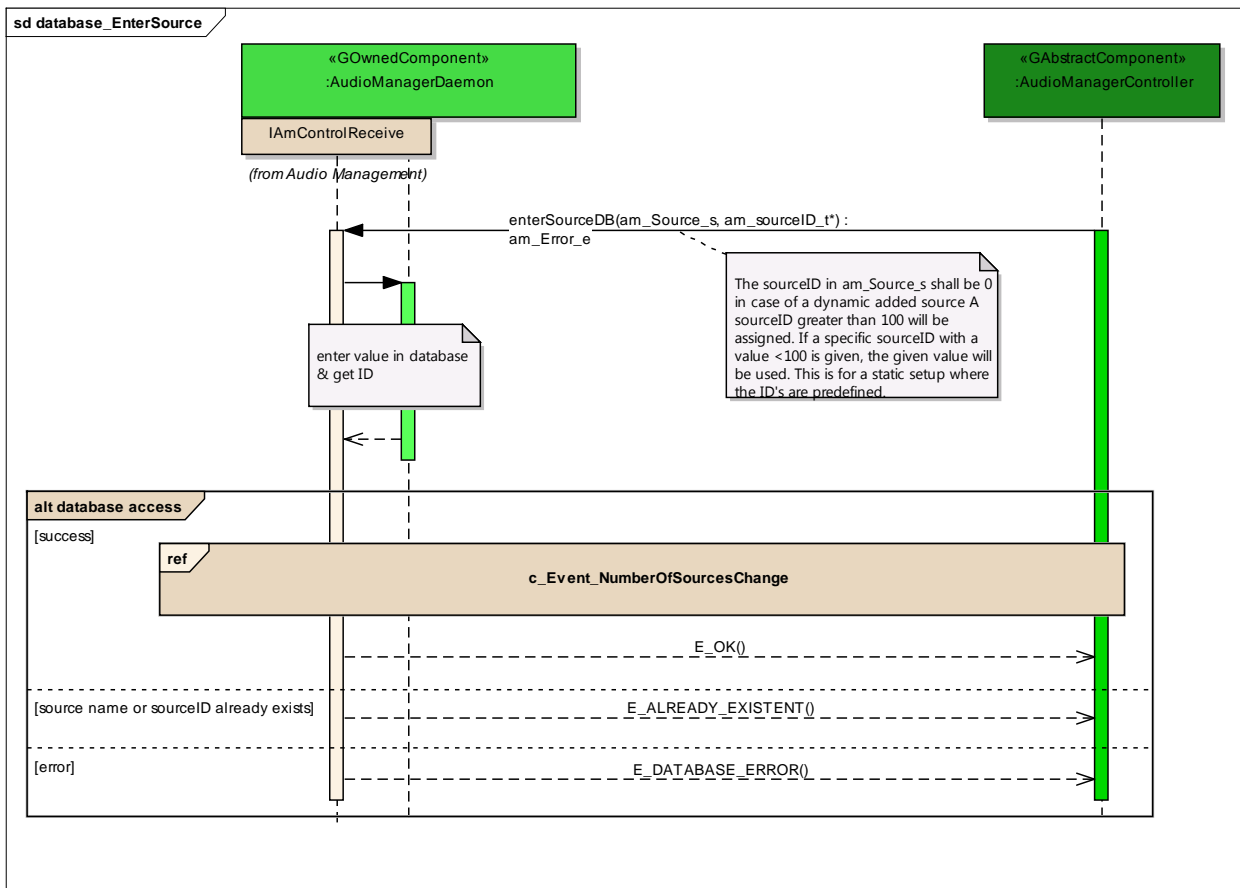


Figure: 58

### c\_Event\_NumberOfSourcesChange

Type: **InteractionOccurrence**  
 Status: Proposed. Version 1.0. Phase 1.0.  
 Package: database\_EnterSource **Keywords:**  
 Detail: Created on 10.10.2011. Last modified on 10.10.2011.  
 GUID: {F9DF8386-7F97-4281-8730-2D3ED52253F6}

## database access

*Type:* **InteractionFragment**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* database\_EnterSource *Keywords:*  
*Detail:* Created on 10.10.2011. Last modified on 10.10.2011.  
*GUID:* {8B674DF9-5E4C-4404-94C0-37B1BA8FB1D9}

## database\_EnterDomain

*Type:* **Package**  
*Status:* Reworked. Version 1.0. Phase 1.0.  
*Package:* Database Access  
*Detail:* Created on 10.10.2011. Last modified on 10.10.2011  
*GUID:* {DCEEC7D3-9FE4-4a12-9EB7-DDE68DCB1480}

### database\_EnterDomain - (Interaction diagram)

*Created By:* christian on 10.10.2011  
*Last Modified:* 12.10.2011  
*Version:* 1.0. *Locked:* False  
*GUID:* {670674CD-AB3B-4447-BADE-4A968889AD8C}

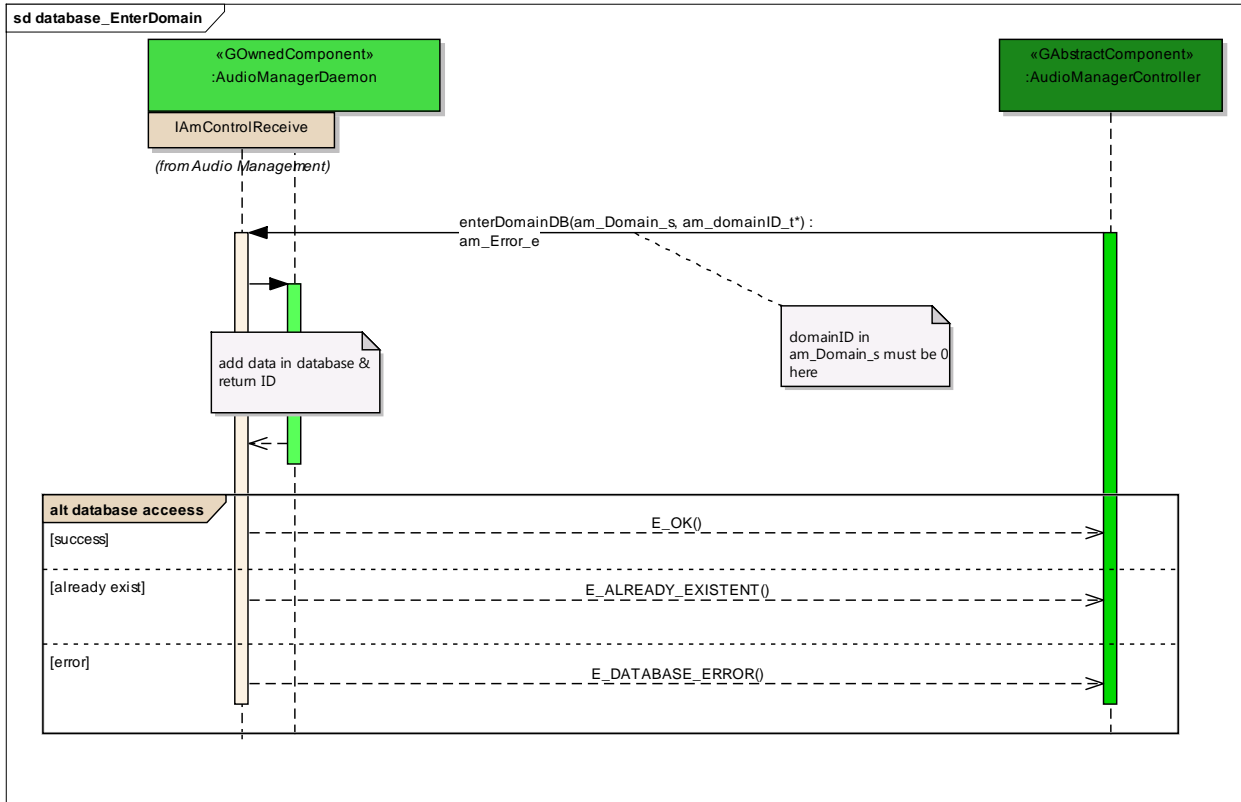


Figure: 59

### database access

Type: **InteractionFragment**  
 Status: Proposed. Version 1.0. Phase 1.0.  
 Package: database\_EnterDomain **Keywords:**  
 Detail: Created on 10.10.2011. Last modified on 10.10.2011.  
 GUID: {AE7CE3B9-D5FA-404e-B827-5D63F8FA061B}

### database\_EnterGateway

Type: **Package**  
 Status: Reworked. Version 1.0. Phase 1.0.  
 Package: Database Access  
 Detail: Created on 10.10.2011. Last modified on 10.10.2011  
 GUID: {4DED61-8B2D-4689-B686-A247AB779716}

#### database\_EnterGateway - (Interaction diagram)

Created By: christian on 10.10.2011  
 Last Modified: 12.10.2011  
 Version: 1.0. Locked: False  
 GUID: {9F3811DD-E6DC-4b82-A978-1539C254EE82}



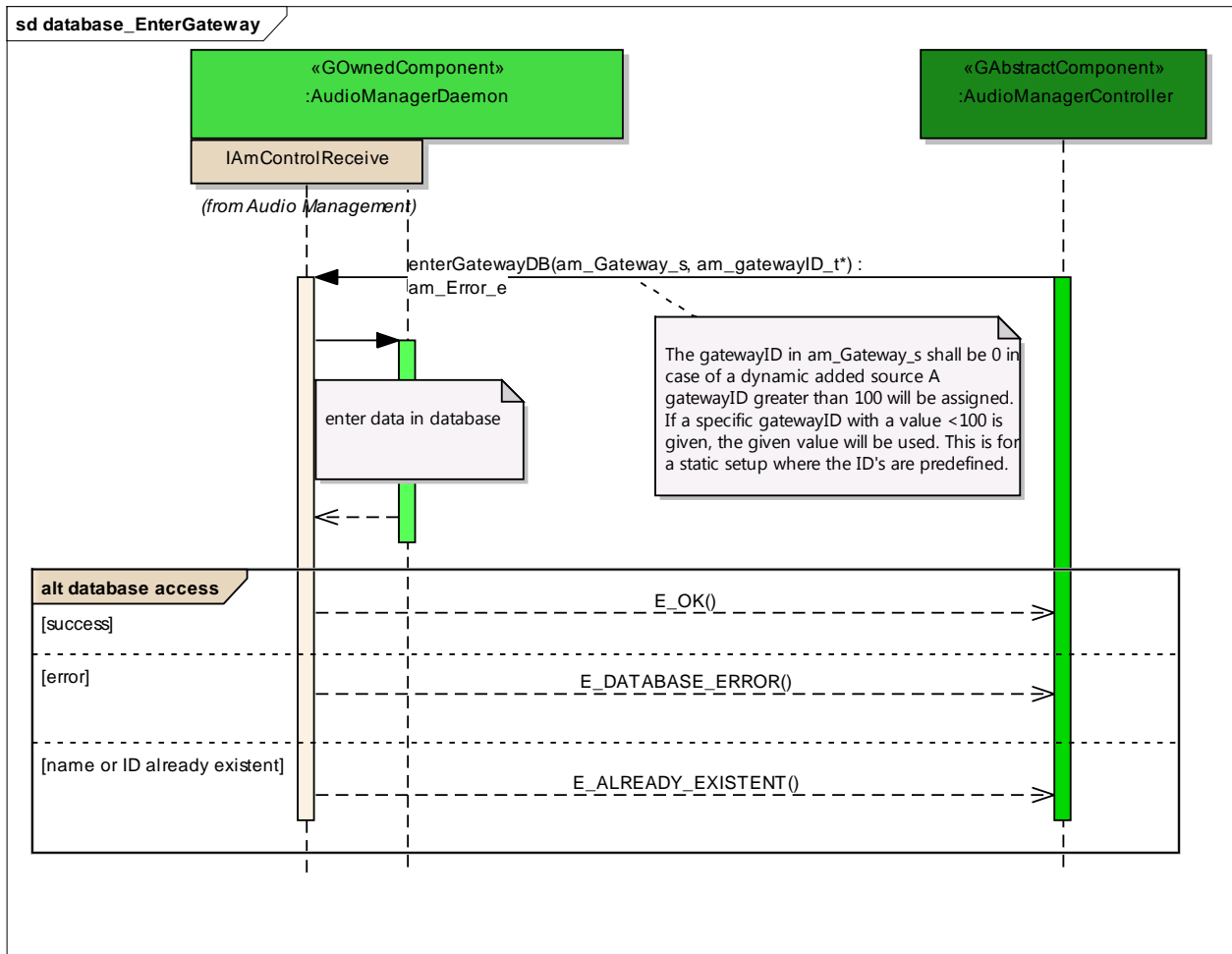


Figure: 60

### database access

Type: **InteractionFragment**  
 Status: Proposed. Version 1.0. Phase 1.0.  
 Package: database\_EnterGateway *Keywords:*  
 Detail: Created on 10.10.2011. Last modified on 10.10.2011.  
 GUID: {89FF1E99-DCF8-461b-8574-4D24171F4B19}

### database\_EnterCrossfader

Type: **Package**  
 Status: Proposed. Version 1.0. Phase 1.0.  
 Package: Database Access  
 Detail: Created on 12.10.2011. Last modified on 12.10.2011  
 GUID: {2987F3B7-6CB8-4490-B0DC-DAB94C96759F}

**database\_EnterCrossfader** - (Interaction diagram)

Created By: christian on 12.10.2011  
 Last Modified: 12.10.2011  
 Version: 1.0. Locked: False  
 GUID: {A55E0FC6-25F0-46fb-AE1A-6B7990E5021B}

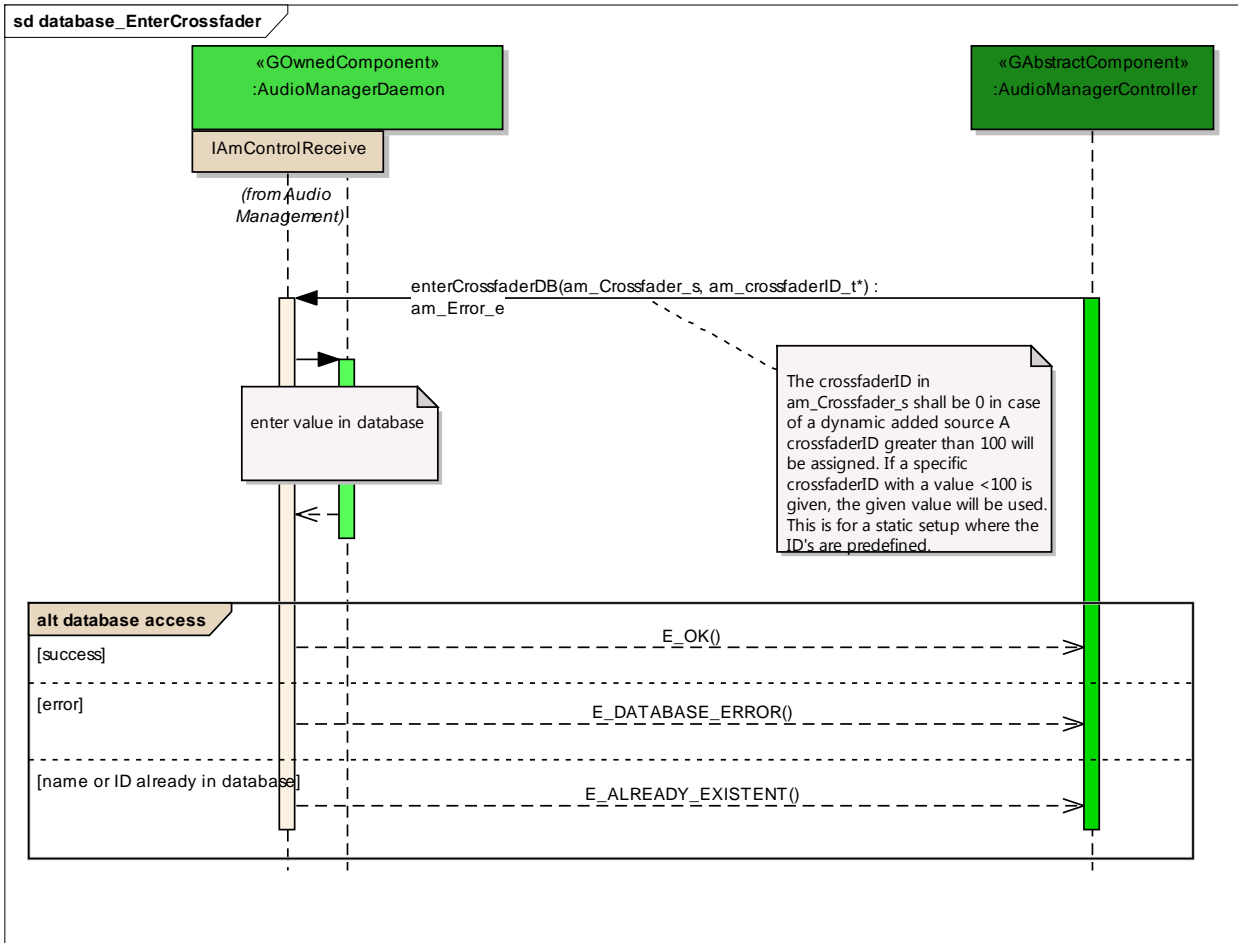


Figure: 61

**database access**

Type: **InteractionFragment**  
 Status: Proposed. Version 1.0. Phase 1.0.  
 Package: database\_EnterCrossfader *Keywords:*  
 Detail: Created on 12.10.2011. Last modified on 12.10.2011.  
 GUID: {6DC143C4-6A29-4a11-81F0-1F6325915B25}

**database\_EnterSystemPropertiesList**

*Type:* **Package**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* Database Access  
*Detail:* Created on 07.12.2011. Last modified on 07.12.2011  
*GUID:* {CA09420D-CD56-4fa5-9BB4-C6EE05E81A46}

**database\_EnterSystemPropertiesList** - (Interaction diagram)

*Created By:* christian on 07.12.2011  
*Last Modified:* 07.12.2011  
*Version:* 1.0. *Locked:* False  
*GUID:* {21C4DC87-4C6B-49fb-8834-8A6BDB8E49AD}

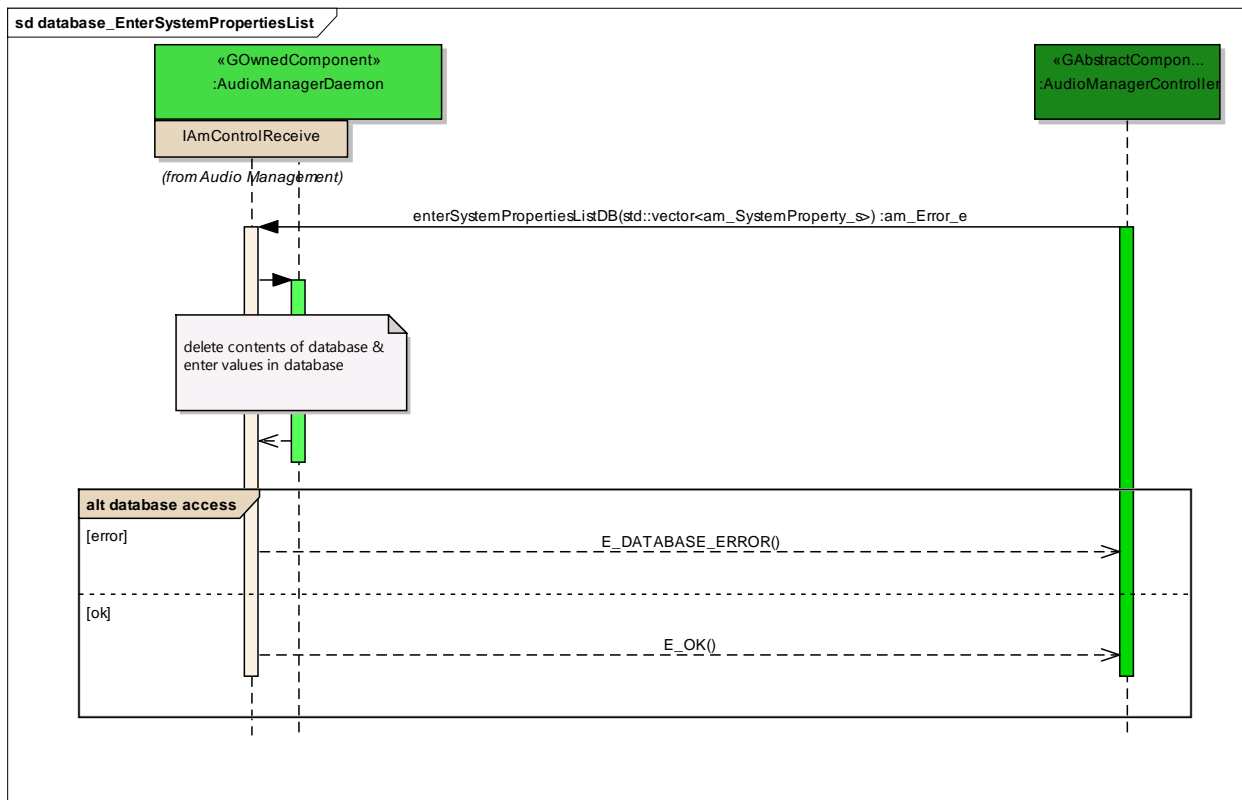


Figure: 62

**database access**

*Type:* **InteractionFragment**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* database\_EnterSystemPropertiesList *Keywords:*  
*Detail:* Created on 07.12.2011. Last modified on 07.12.2011.  
*GUID:* {C7219531-214C-4507-9A0F-12B551B744E0}

## database\_EnterSinkClass

Type: **Package**  
 Status: Proposed. Version 1.0. Phase 1.0.  
 Package: Database Access  
 Detail: Created on 14.02.2012. Last modified on 14.02.2012  
 GUID: {46297306-8663-4f43-928A-3403D125343B}

### database\_EnterSinkClass - (Interaction diagram)

Created By: christian on 08.12.2011  
 Last Modified: 14.02.2012  
 Version: 1.0. Locked: False  
 GUID: {B1BA21EC-3873-4b8a-9E50-9EB61FC32BDB}

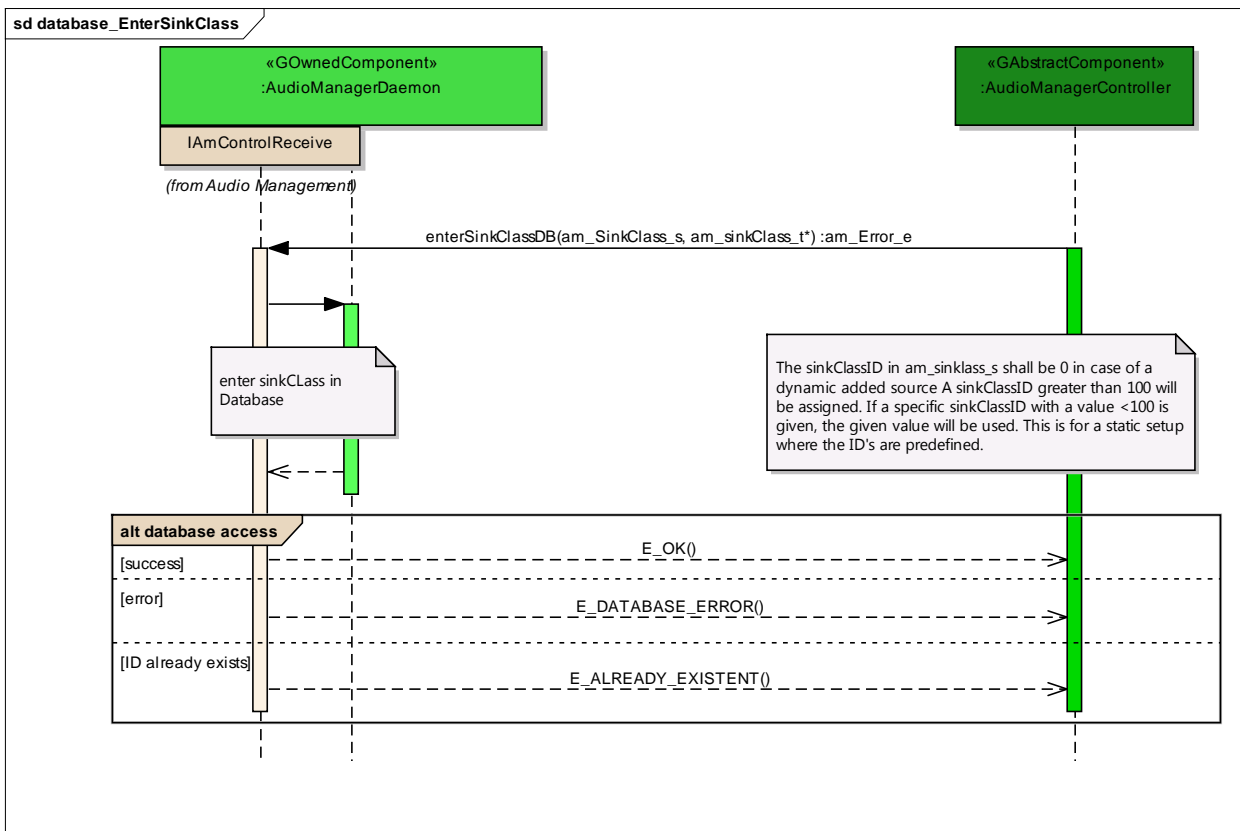


Figure: 63

## database access

Type: **InteractionFragment**  
 Status: Proposed. Version 1.0. Phase 1.0.  
 Package: database\_EnterSinkClass *Keywords:*  
 Detail: Created on 08.12.2011. Last modified on 08.12.2011.  
 GUID: {9C2881D8-A4E7-458f-BD1E-A880CBA0098E}

## database\_EnterSourceClass

Type: **Package**  
 Status: Proposed. Version 1.0. Phase 1.0.  
 Package: Database Access  
 Detail: Created on 08.12.2011. Last modified on 08.12.2011  
 GUID: {BC964E32-CCEA-43c0-AA75-DBA2BDD8EAC2}

### database\_EnterSourceClass - (Interaction diagram)

Created By: christian on 08.12.2011  
 Last Modified: 14.02.2012  
 Version: 1.0. Locked: False  
 GUID: {BF3583A3-1695-442c-9563-7C9128F0D8B7}

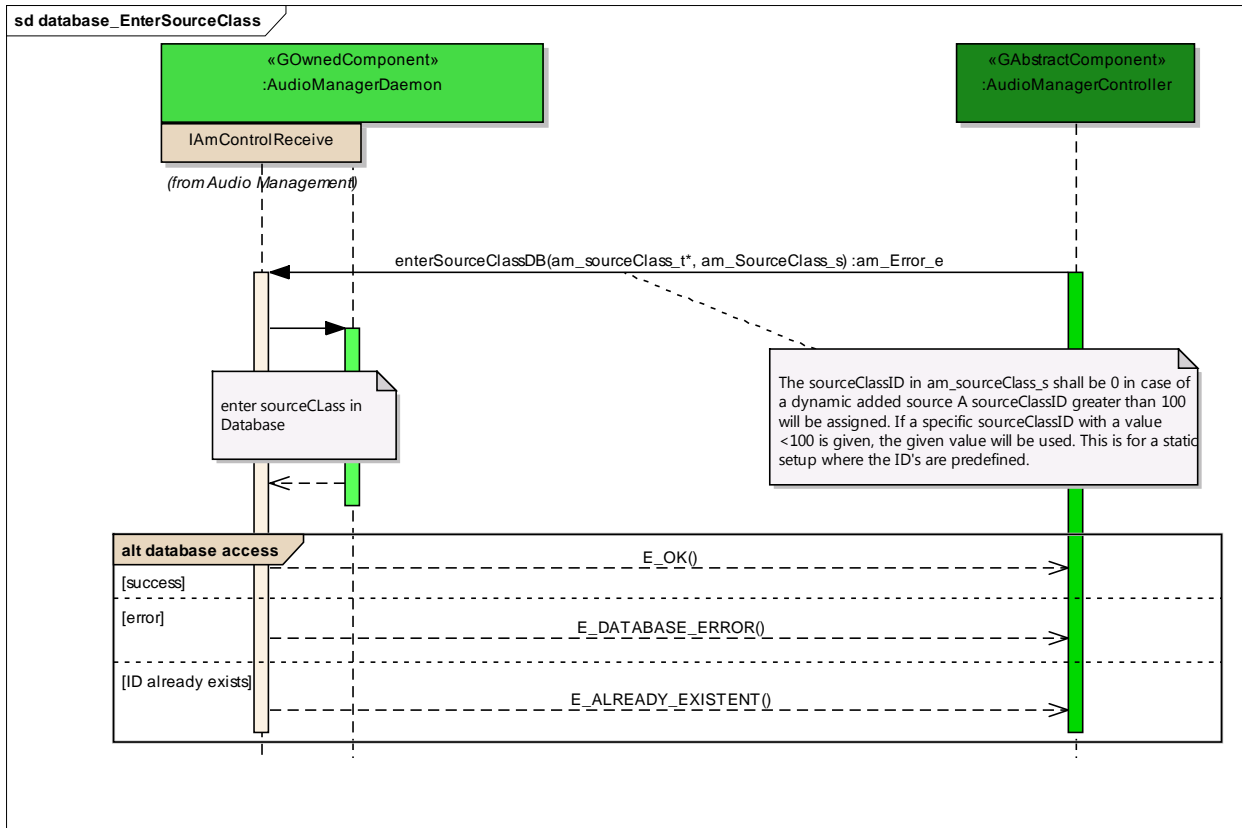


Figure: 64

## database access

Type: **InteractionFragment**  
 Status: Proposed. Version 1.0. Phase 1.0.  
 Package: database\_EnterSourceClass *Keywords:*  
 Detail: Created on 08.12.2011. Last modified on 08.12.2011.  
 GUID: {1FC09DB0-ACE1-4c74-9F23-5DDE2CA2DC28}

## database\_RemoveMainConnection

Type: **Package**  
 Status: Reworked. Version 1.0. Phase 1.0.  
 Package: Database Access  
 Detail: Created on 10.10.2011. Last modified on 10.10.2011  
 GUID: {B6E98F69-2493-4dc4-8850-AE5B2CA9F94E}

### database\_RemoveMainConnection - (Interaction diagram)

Created By: christian on 10.10.2011  
 Last Modified: 10.10.2011  
 Version: 1.0. Locked: False  
 GUID: {41328F26-9781-45eb-AB91-4FC251FA4380}

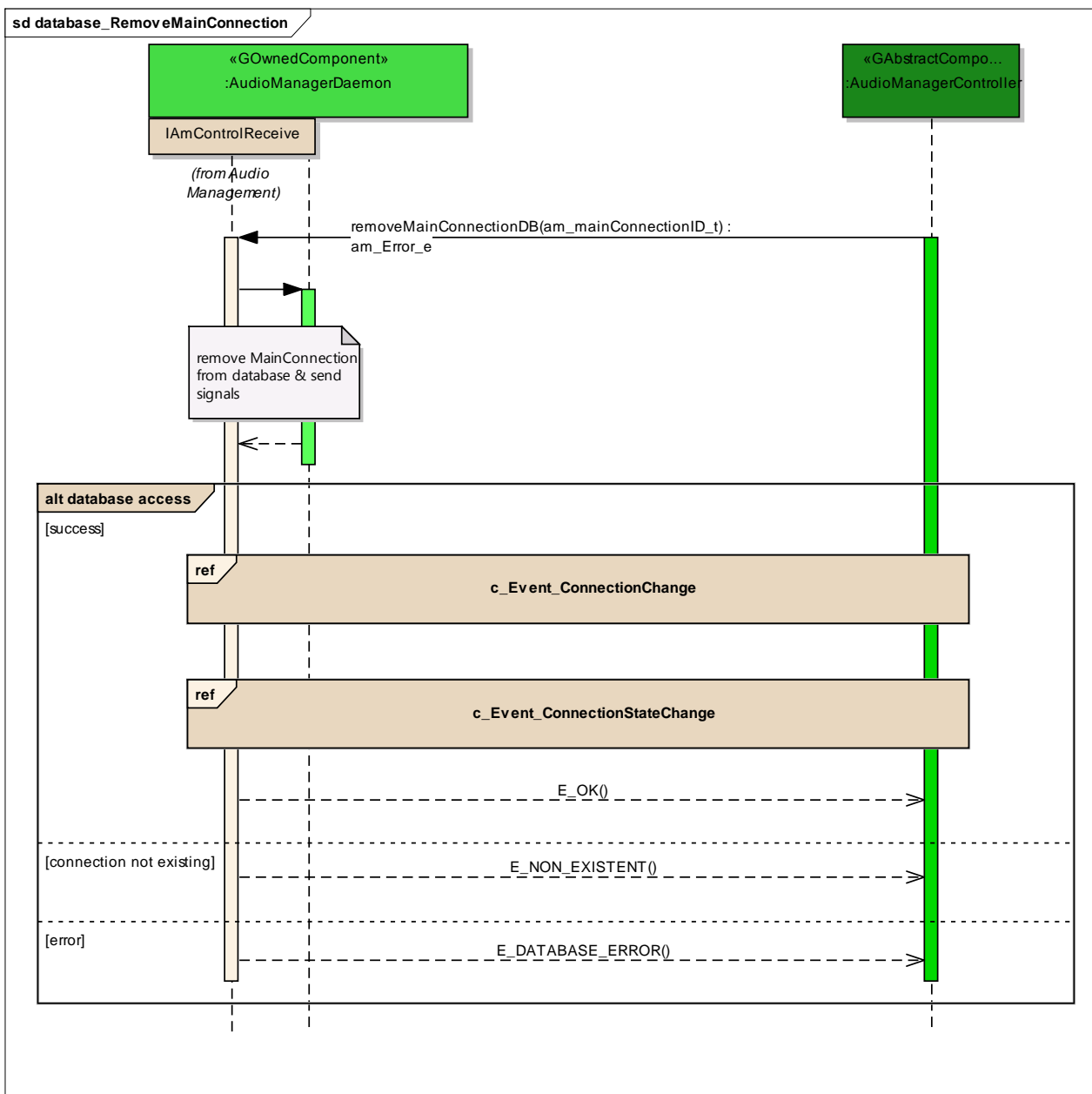


Figure: 65

### **c\_Event\_ConnectionChange**

*Type:* **InteractionOccurrence**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* database\_RemoveMainConnection *Keywords:*  
*Detail:* Created on 10.10.2011. Last modified on 10.10.2011.  
*GUID:* {E257C9C2-1C3C-4491-B907-96B75116DF15}

### **c\_Event\_ConnectionStateChange**

*Type:* **InteractionOccurrence**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* database\_RemoveMainConnection *Keywords:*  
*Detail:* Created on 10.10.2011. Last modified on 10.10.2011.  
*GUID:* {D8E73B4D-9B4A-4a87-AFD9-5D49BCF1DC43}

### **database access**

*Type:* **InteractionFragment**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* database\_RemoveMainConnection *Keywords:*  
*Detail:* Created on 10.10.2011. Last modified on 10.10.2011.  
*GUID:* {FCCEAB7D-FF84-4fd5-B266-BEB5B68D6BCA}

### **database\_RemoveSink**

*Type:* **Package**  
*Status:* Reworked. Version 1.0. Phase 1.0.  
*Package:* Database Access  
*Detail:* Created on 10.10.2011. Last modified on 10.10.2011  
*GUID:* {4954311F-0DC3-495d-B858-725356469C24}

#### **database\_RemoveSink** - (Interaction diagram)

*Created By:* christian on 10.10.2011  
*Last Modified:* 11.10.2011  
*Version:* 1.0. *Locked:* False  
*GUID:* {CFE83F59-9143-4789-A524-989B608FAB75}

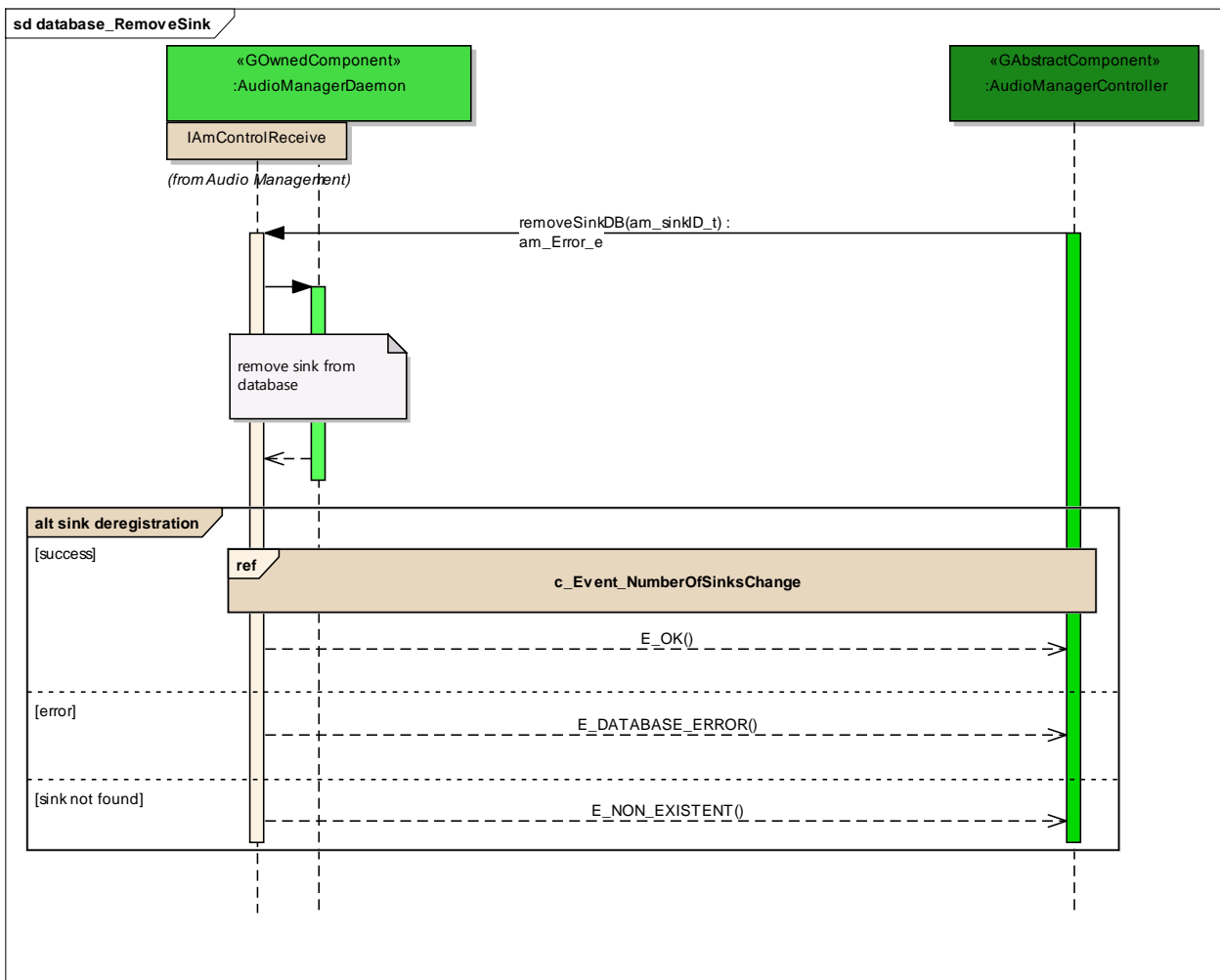


Figure: 66

### c\_Event\_NumberOfSinksChange

Type: **InteractionOccurrence**  
 Status: Proposed. Version 1.0. Phase 1.0.  
 Package: database\_RemoveSink **Keywords:**  
 Detail: Created on 10.10.2011. Last modified on 10.10.2011.  
 GUID: {6950FD2D-7484-4c22-87FD-B382BC237636}

### sink deregistration

Type: **InteractionFragment**  
 Status: Proposed. Version 1.0. Phase 1.0.  
 Package: database\_RemoveSink **Keywords:**  
 Detail: Created on 10.10.2011. Last modified on 10.10.2011.  
 GUID: {C5FC93B7-C3A2-4906-81F0-F4E3C6867D86}



## database\_RemoveSource

**Type:** **Package**  
**Status:** Reworked. Version 1.0. Phase 1.0.  
**Package:** Database Access  
**Detail:** Created on 10.10.2011. Last modified on 10.10.2011  
**GUID:** {1BD4DFEA-D6DE-4640-BF17-F7776CA28AF5}

### database\_RemoveSource - (Interaction diagram)

**Created By:** christian on 10.10.2011  
**Last Modified:** 11.10.2011  
**Version:** 1.0. **Locked:** False  
**GUID:** {1B38BFA1-83C4-465a-8514-4D36CEE04F22}

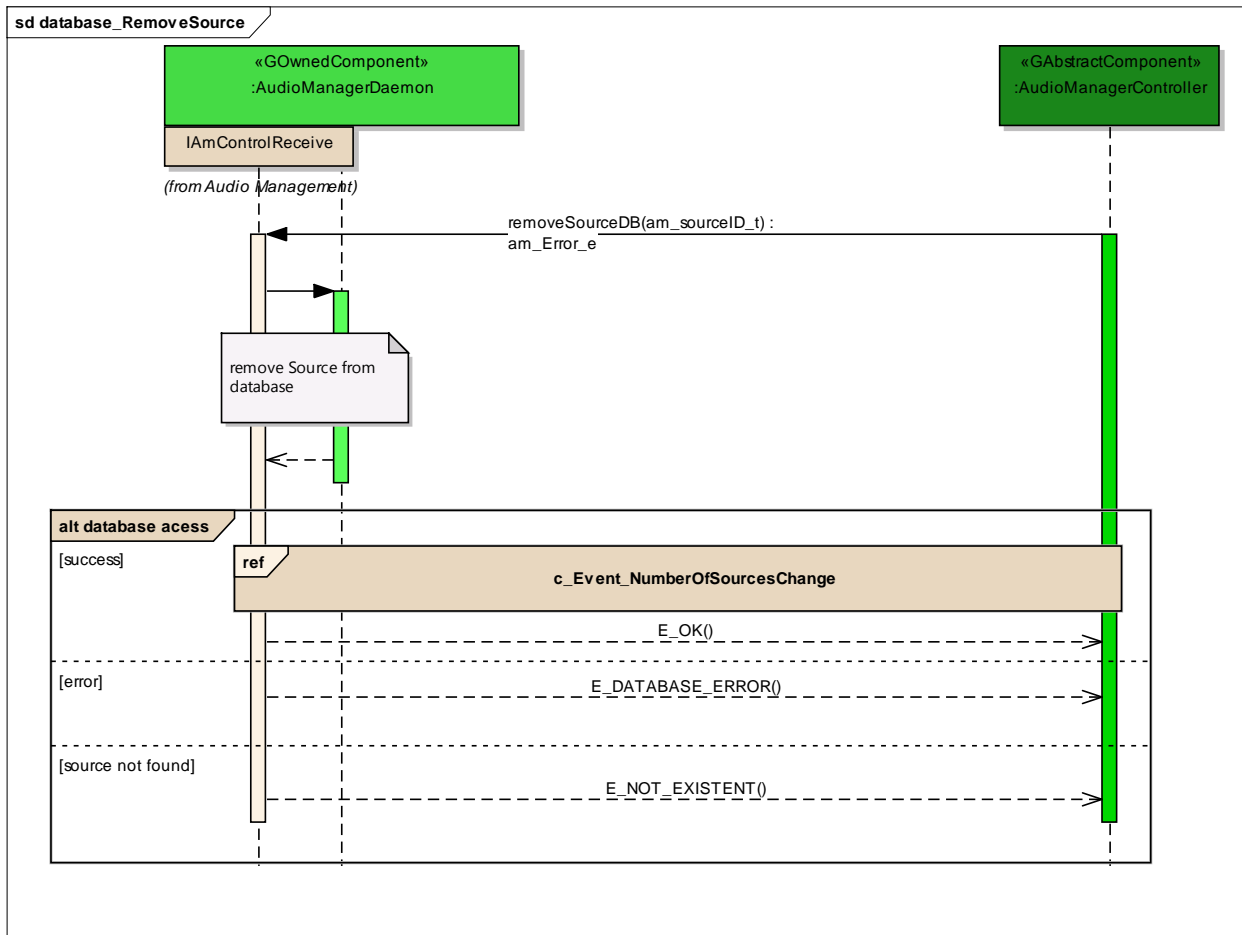


Figure: 67

## c\_Event\_NumberOfSourcesChange

*Type:* **InteractionOccurrence**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* database\_RemoveSource *Keywords:*  
*Detail:* Created on 10.10.2011. Last modified on 10.10.2011.  
*GUID:* {DE1A798C-9020-4665-B4A2-9A915B4C2724}

## database access

*Type:* **InteractionFragment**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* database\_RemoveSource *Keywords:*  
*Detail:* Created on 10.10.2011. Last modified on 10.10.2011.  
*GUID:* {300B5711-ED36-4aad-86A3-2AAA1BCE2649}

## database\_RemoveDomain

*Type:* **Package**  
*Status:* Reworked. Version 1.0. Phase 1.0.  
*Package:* Database Access  
*Detail:* Created on 10.10.2011. Last modified on 10.10.2011  
*GUID:* {23455BA3-683C-42bd-AFB2-8DAD10205013}

### **database\_RemoveDomain** - (Interaction diagram)

*Created By:* christian on 10.10.2011  
*Last Modified:* 10.10.2011  
*Version:* 1.0. *Locked:* False  
*GUID:* {1D9B34B8-41A6-413e-A99E-A9C588A45310}

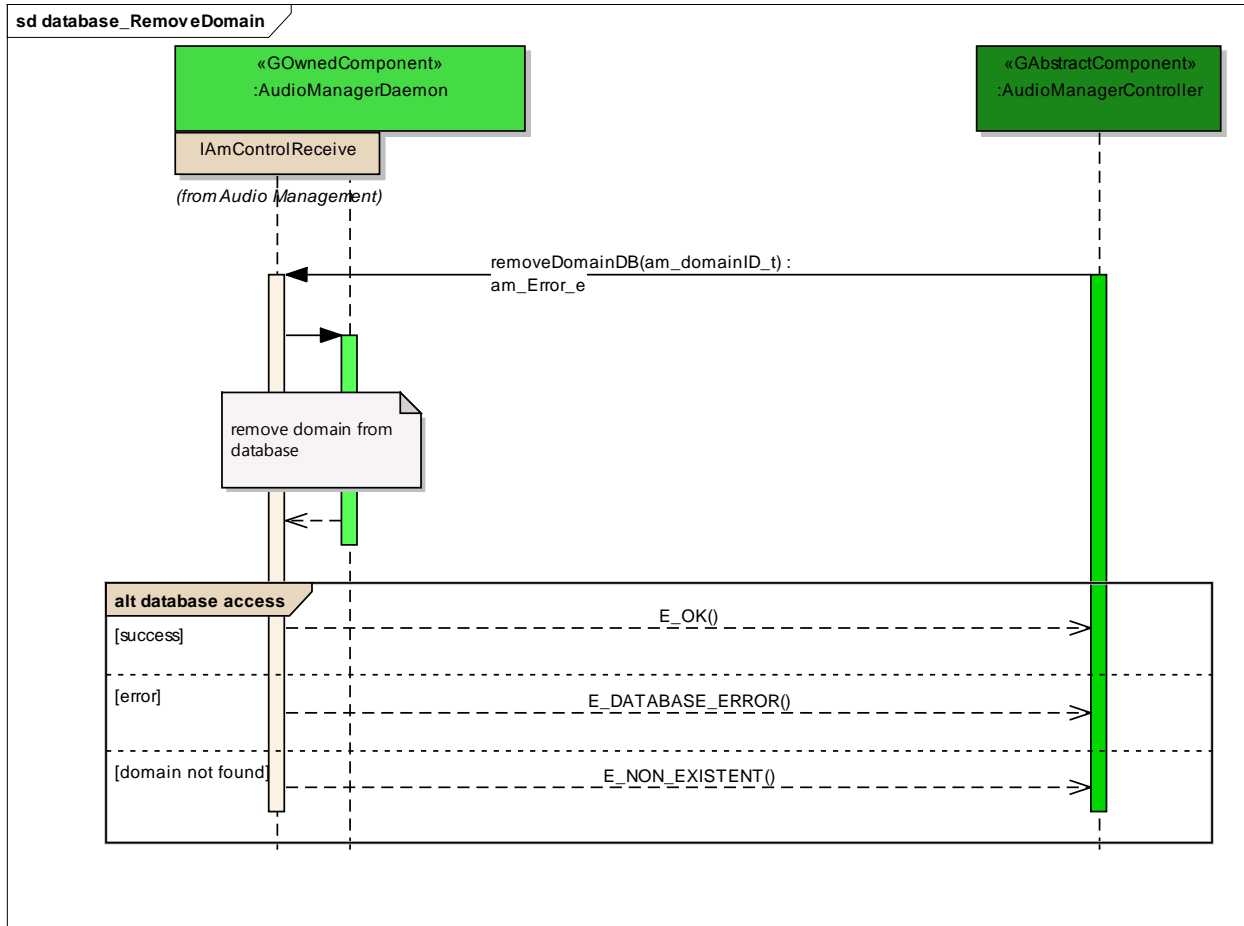


Figure: 68

### database access

**Type:** InteractionFragment  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** database\_RemoveDomain *Keywords:*  
**Detail:** Created on 10.10.2011. Last modified on 10.10.2011.  
**GUID:** {06A0CA7F-86ED-496d-813A-4F7E964822CF}

### database\_RemoveGateway

**Type:** Package  
**Status:** Reworked. Version 1.0. Phase 1.0.  
**Package:** Database Access  
**Detail:** Created on 10.10.2011. Last modified on 10.10.2011  
**GUID:** {6ACA1202-FE80-4dd8-84CA-DB14DFA67D7C}

**database\_RemoveGateway** - (Interaction diagram)

Created By: christian on 10.10.2011  
 Last Modified: 10.10.2011  
 Version: 1.0. Locked: False  
 GUID: {2DD45831-E778-4676-8600-4BC81DB12AAA}

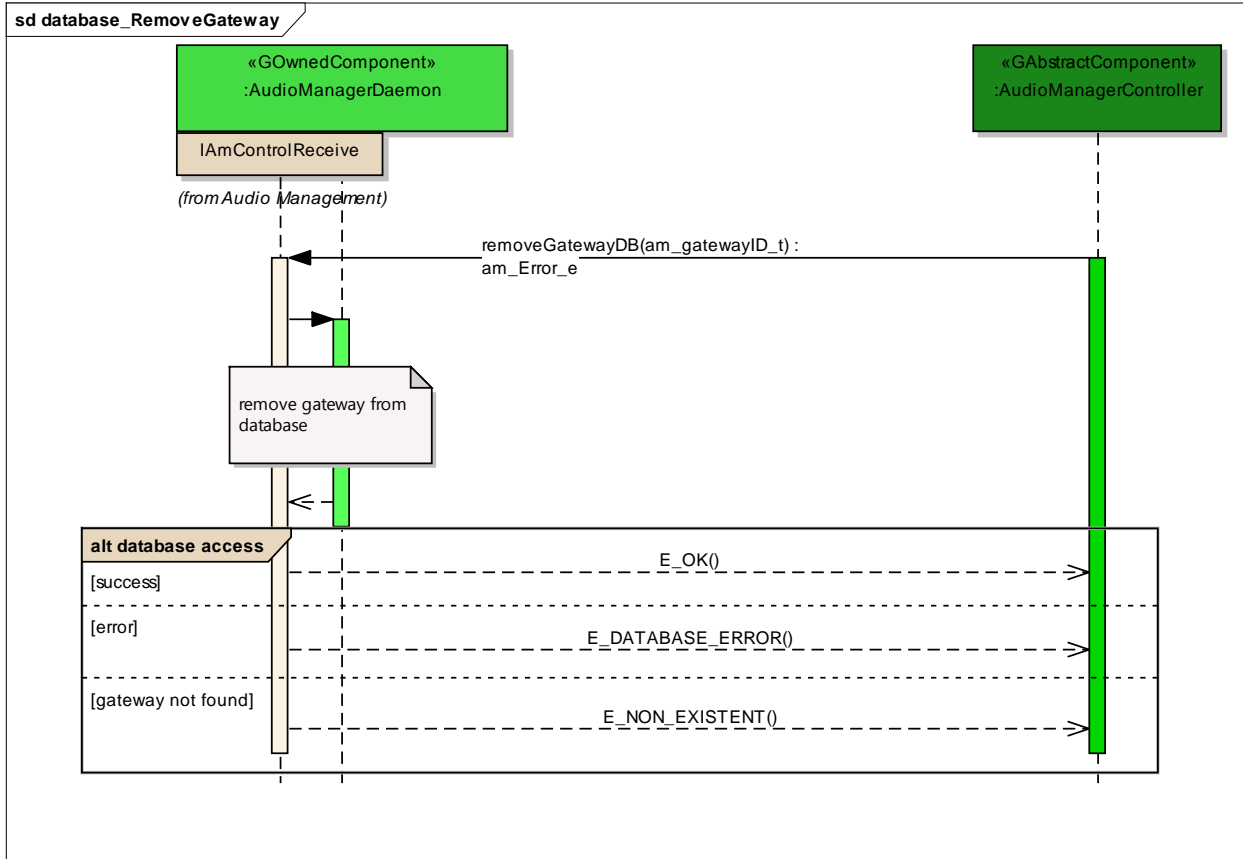


Figure: 69

**database access**

Type: **InteractionFragment**  
 Status: Proposed. Version 1.0. Phase 1.0.  
 Package: database\_RemoveGateway **Keywords:**  
 Detail: Created on 10.10.2011. Last modified on 10.10.2011.  
 GUID: {42A21E27-F9E4-427f-BB46-C3AB58ACCCBE}

**database\_RemoveCrossfader**

Type: **Package**  
 Status: Proposed. Version 1.0. Phase 1.0.  
 Package: Database Access  
 Detail: Created on 12.10.2011. Last modified on 12.10.2011

**GUID:** {228F2C3C-7FBF-4baa-89B1-33DAA17FF0D3}

**database RemoveCrossfader** - (Interaction diagram)

**Created By:** christian on 12.10.2011  
**Last Modified:** 08.12.2011  
**Version:** 1.0. **Locked:** False  
**GUID:** {7053B348-7F3B-4de8-9FFA-D80D15C2206F}

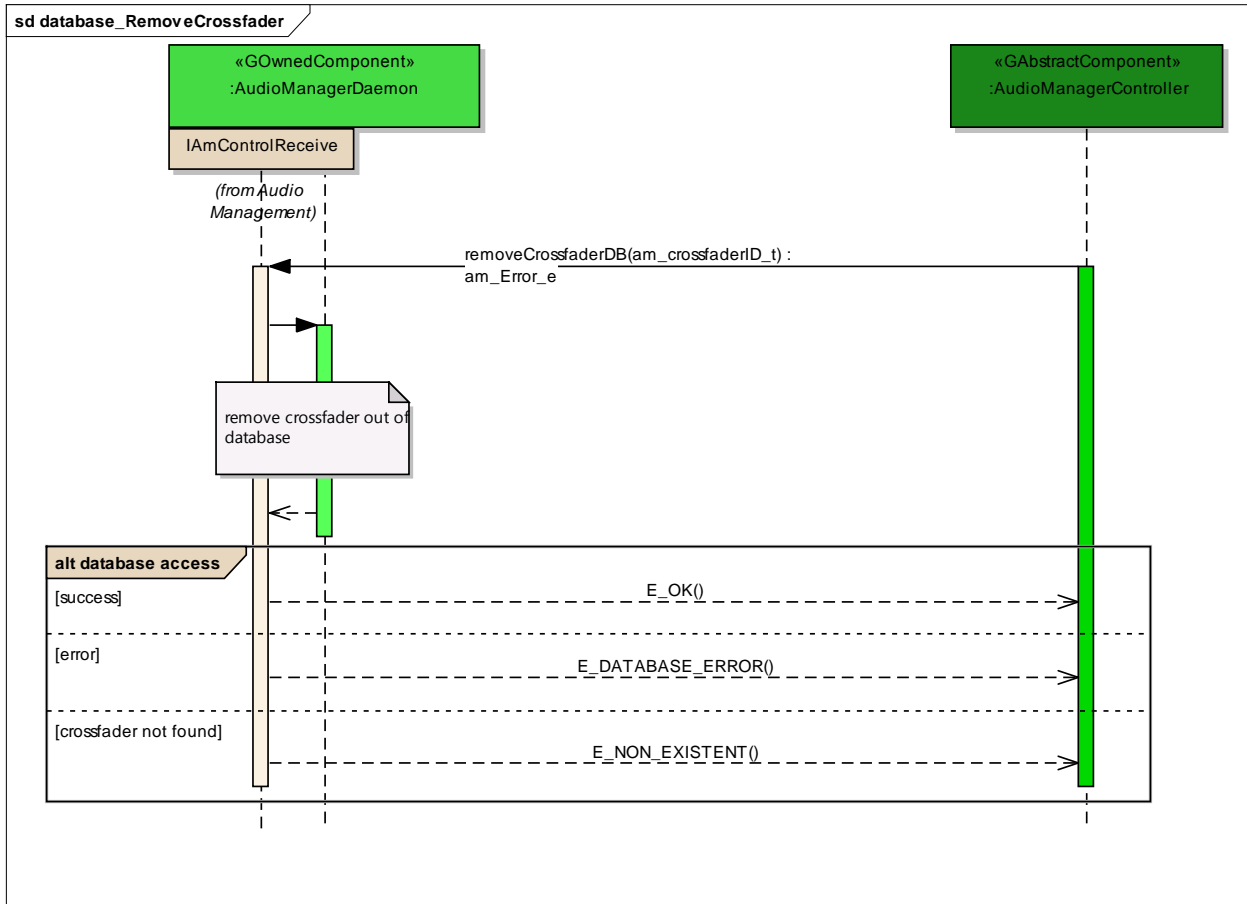


Figure: 70

**database access**

**Type:** InteractionFragment  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** database\_RemoveCrossfader **Keywords:**  
**Detail:** Created on 12.10.2011. Last modified on 12.10.2011.  
**GUID:** {E66D95D2-1B8C-4bdb-87A2-4EF1FE987A3F}

## database\_RemoveSinkClass

Type: **Package**  
 Status: Proposed. Version 1.0. Phase 1.0.  
 Package: Database Access  
 Detail: Created on 08.12.2011. Last modified on 08.12.2011  
 GUID: {DCF2309E-D2C4-4b10-9C1D-8DF89471D400}

### database\_RemoveSinkClass - (Interaction diagram)

Created By: christian on 08.12.2011  
 Last Modified: 08.12.2011  
 Version: 1.0. Locked: False  
 GUID: {DA928728-4C31-45a3-9745-77E4131C5C54}

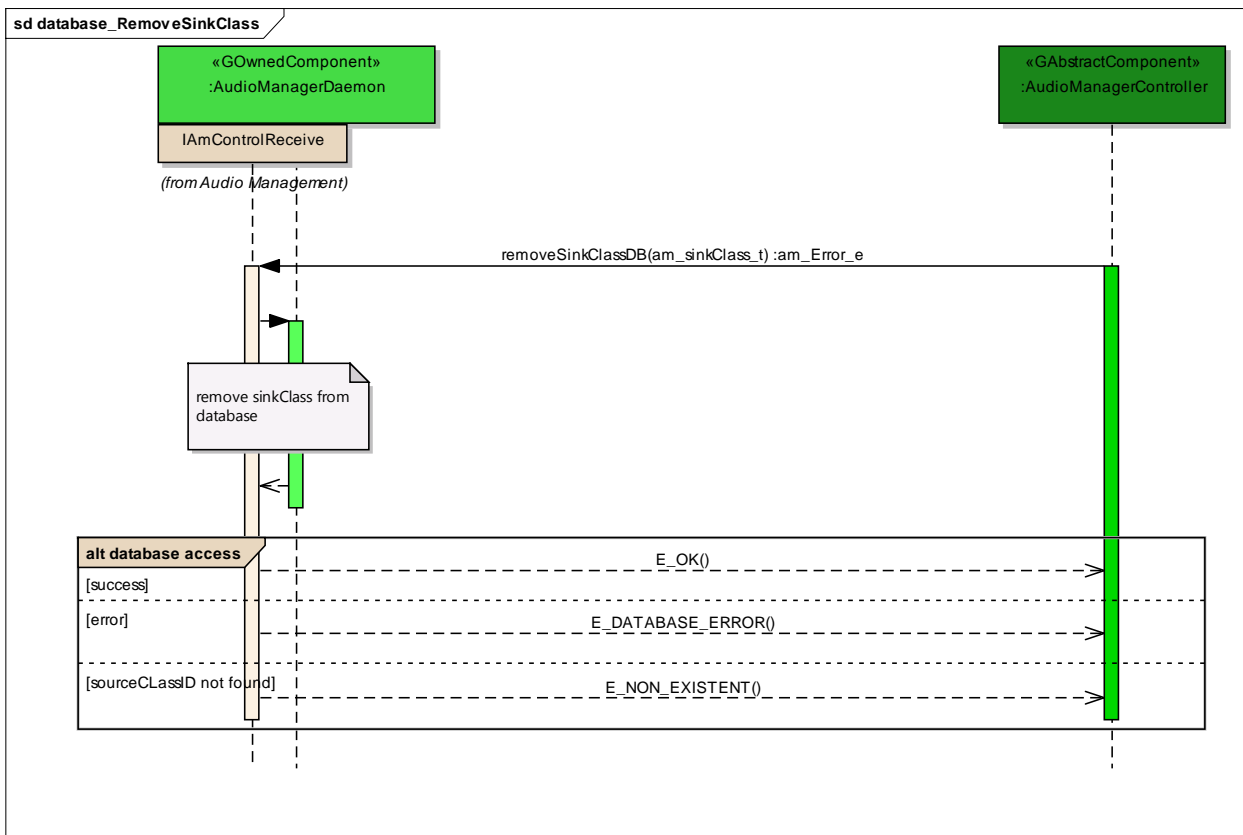


Figure: 71

## database access

Type: **InteractionFragment**  
 Status: Proposed. Version 1.0. Phase 1.0.  
 Package: database\_RemoveSinkClass **Keywords:**  
 Detail: Created on 08.12.2011. Last modified on 08.12.2011.  
 GUID: {06A5C533-9EA3-4ca5-9492-36721A6F49E5}

## database\_RemoveSourceClass

Type: **Package**  
 Status: Proposed. Version 1.0. Phase 1.0.  
 Package: Database Access  
 Detail: Created on 08.12.2011. Last modified on 08.12.2011  
 GUID: {E335023E-AD6A-48a3-B163-A4306E27DC42}

### database\_RemoveSourceClass - (Interaction diagram)

Created By: christian on 08.12.2011  
 Last Modified: 08.12.2011  
 Version: 1.0. Locked: False  
 GUID: {DB09A6E5-35EF-46a7-9029-FC901A459573}

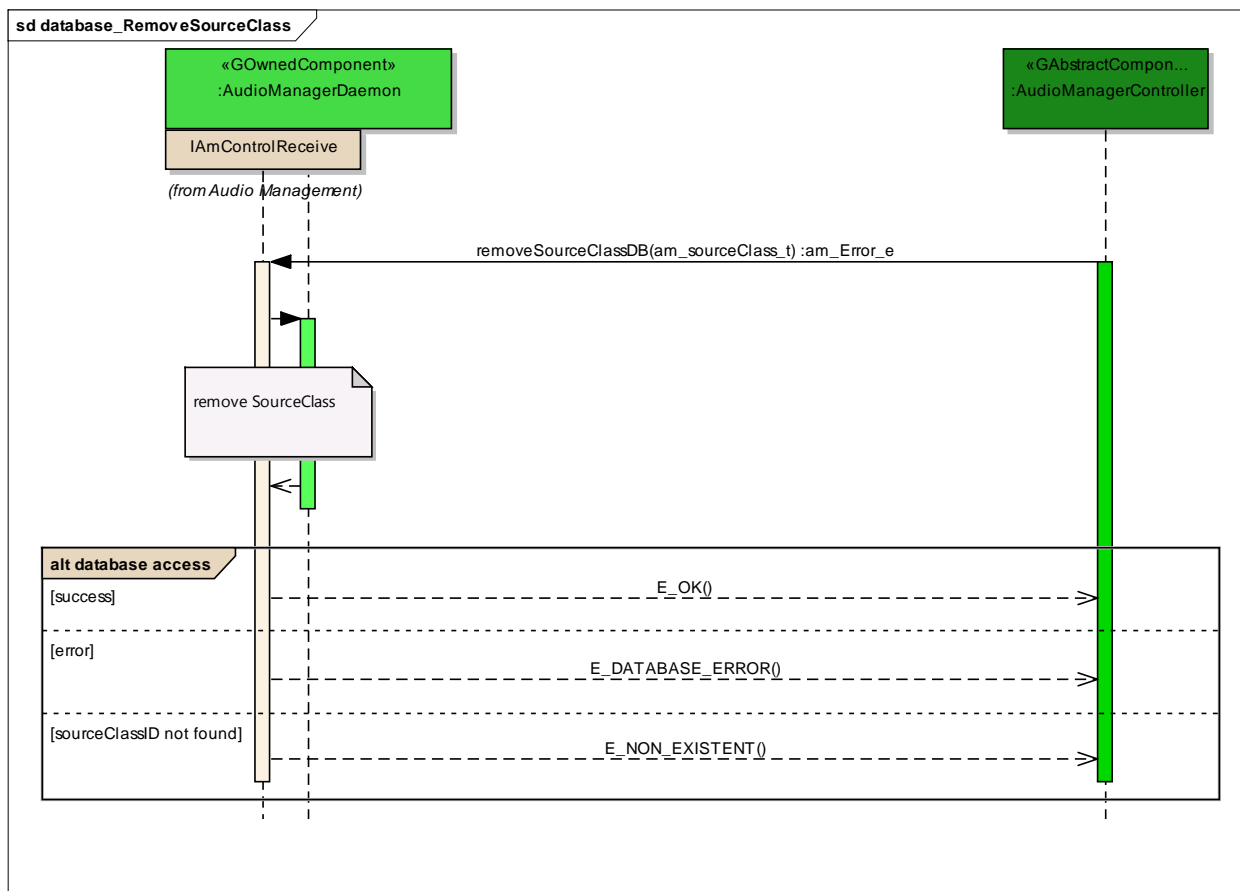


Figure: 72

## database access

Type: **InteractionFragment**  
 Status: Proposed. Version 1.0. Phase 1.0.  
 Package: database\_RemoveSourceClass *Keywords:*  
 Detail: Created on 08.12.2011. Last modified on 08.12.2011.  
 GUID: {FF238EAF-5418-4762-9A10-87D539B7AB1F}

## database\_UpdateSources

Type: **Package**  
 Status: Proposed. Version 1.0. Phase 1.0.  
 Package: Database Access  
 Detail: Created on 28.06.2012. Last modified on 29.06.2012  
 GUID: {EFC1E2A0-055B-436f-9E33-65D099A96B56}

### database\_UpdateSources - (Interaction diagram)

Created By: q232968 on 28.06.2012  
 Last Modified: 28.11.2012  
 Version: 1.0. Locked: False  
 GUID: {9E108917-2A16-4756-AA75-682EF9EF7DC2}

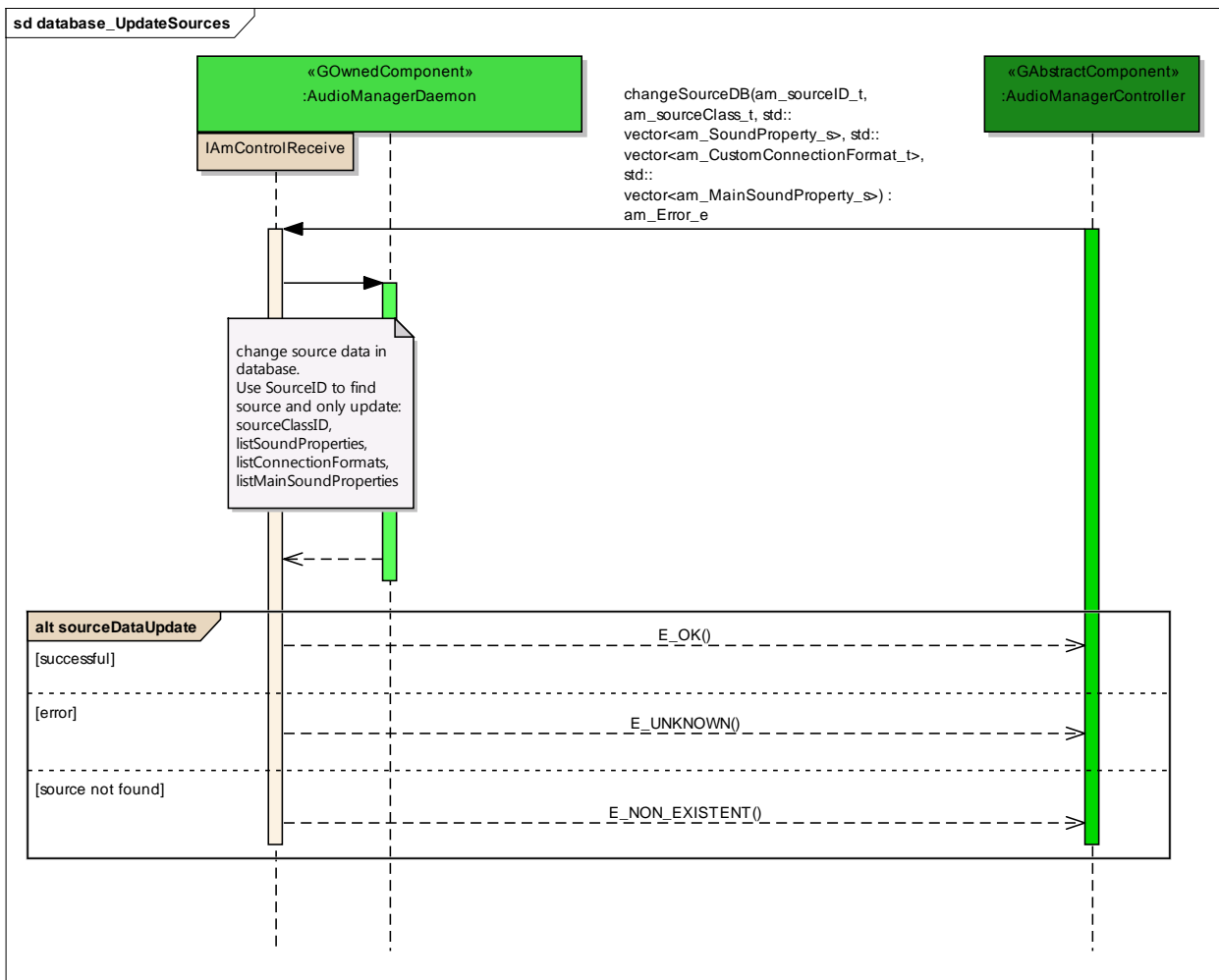


Figure: 73



## sourceDataUpdate

**Type:** InteractionFragment  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** database\_UpdateSources **Keywords:**  
**Detail:** Created on 28.06.2012. Last modified on 28.06.2012.  
**GUID:** {30F30404-17D6-430b-963A-0EB9C39B5D0D}

## database\_UpdateSinks

**Type:** Package  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** Database Access  
**Detail:** Created on 29.06.2012. Last modified on 29.06.2012  
**GUID:** {03BDDD22-1CB3-4a6b-94DE-B22C07399D18}

### database\_UpdateSinks - (Interaction diagram)

**Created By:** q232968 on 28.06.2012  
**Last Modified:** 29.06.2012  
**Version:** 1.0. **Locked:** False  
**GUID:** {D2A39AA0-F723-4b23-B1DF-34044FFA8B52}

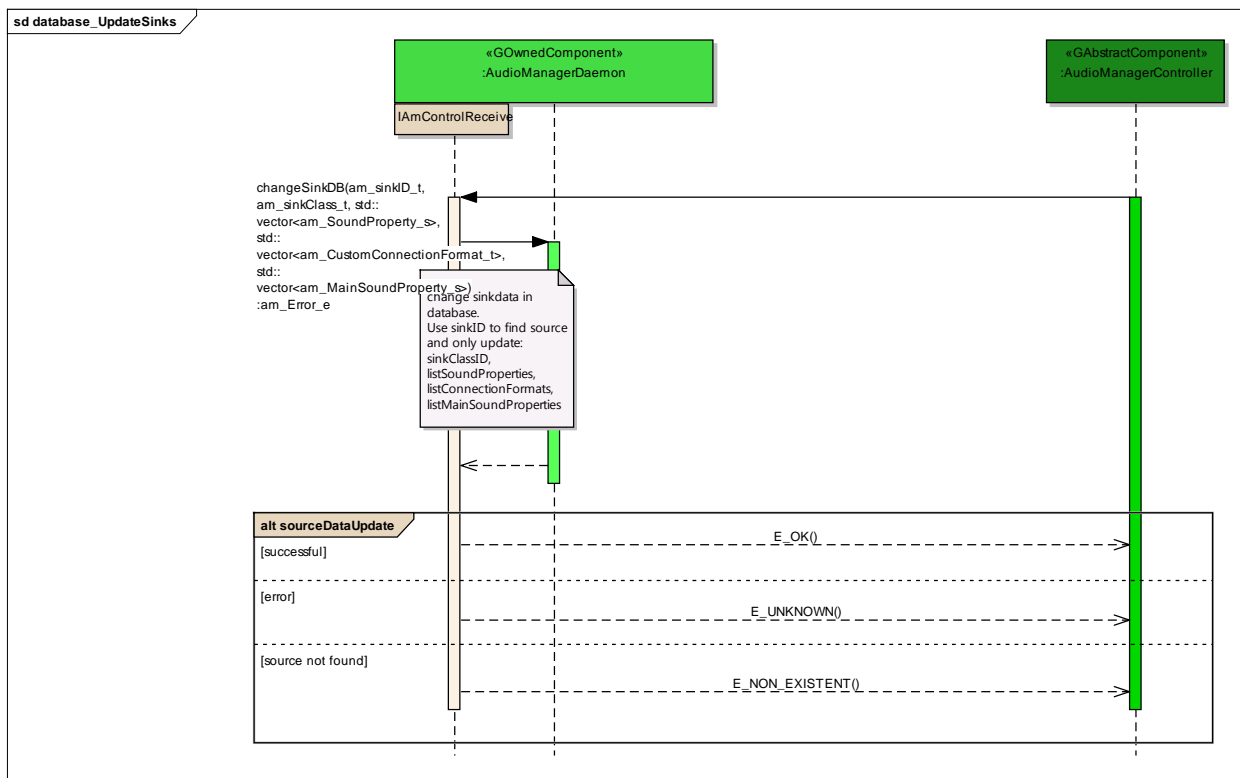


Figure: 74

## sourceDataUpdate

**Type:** InteractionFragment  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** database\_UpdateSinks *Keywords:*  
**Detail:** Created on 28.06.2012. Last modified on 28.06.2012.  
**GUID:** {B91D6514-8C2B-4380-913B-E844979EA7AA}

## database\_UpdateGateways

**Type:** Package  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** Database Access  
**Detail:** Created on 29.06.2012. Last modified on 29.06.2012  
**GUID:** {C8134FA1-B765-4bef-8D7A-5475D3574ABB}

### database\_UpdateGateways - (Interaction diagram)

**Created By:** q232968 on 28.06.2012  
**Last Modified:** 29.06.2012  
**Version:** 1.0. *Locked:* False  
**GUID:** {1C57B2CD-0E3F-49b5-BA94-ACBCAC952DCF}

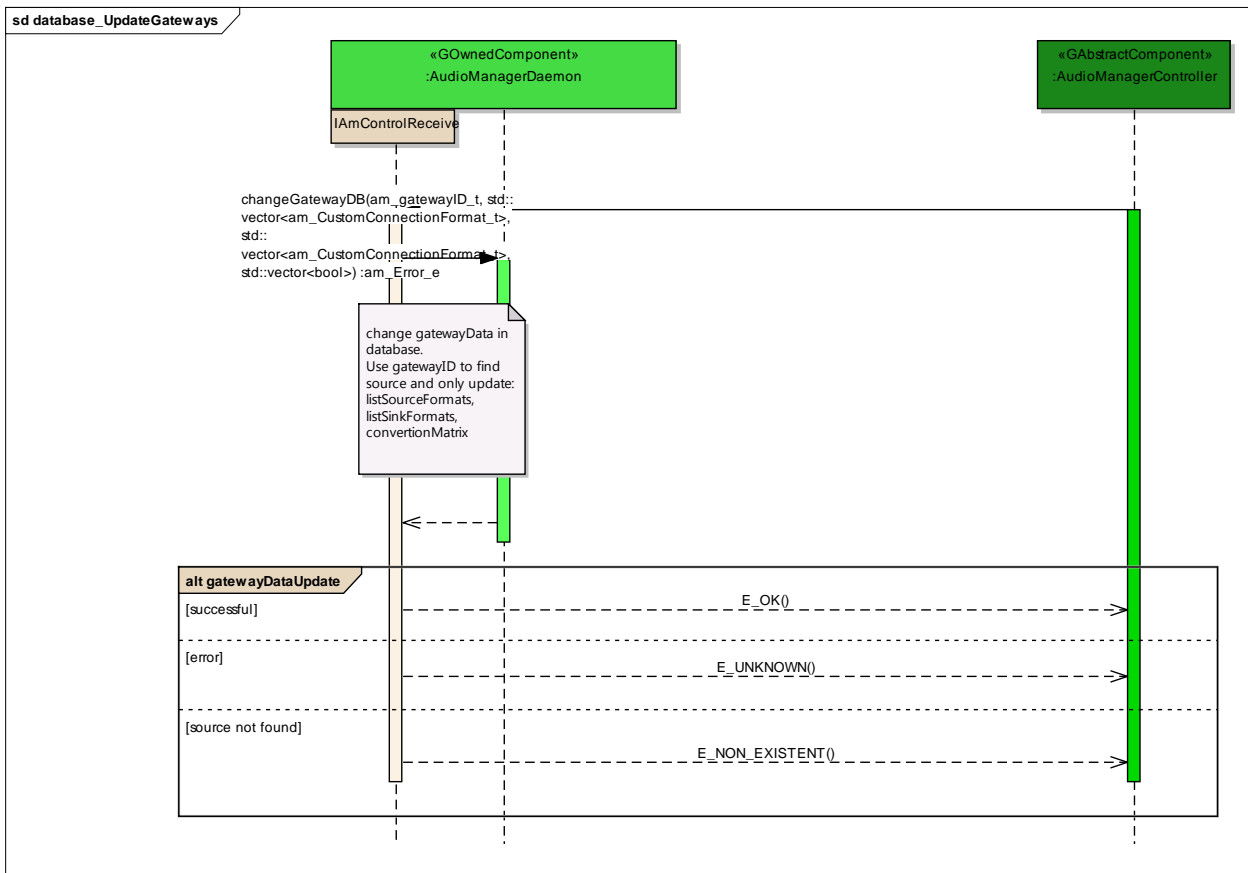


Figure: 75

## gatewayDataUpdate

*Type:* **InteractionFragment**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* database\_UpdateGateways *Keywords:*  
*Detail:* Created on 28.06.2012. Last modified on 29.06.2012.  
*GUID:* {69ED4217-A612-437d-8D5B-501CE0B83A31}

## User Actions

*Type:* **Package**  
*Status:* Reworked. Version 1.0. Phase 1.0.  
*Package:* Control Interface  
*Detail:* Created on 09.09.2011. Last modified on 07.10.2011  
*GUID:* {737C575C-B3D0-48b2-A6AC-30DC12BB45D1}

## user\_Connection

*Type:* **Package**  
*Status:* Reworked. Version 1.0. Phase 1.0.  
*Package:* User Actions  
*Detail:* Created on 16.08.2011. Last modified on 07.10.2011  
*GUID:* {CCDEC92E-3CEF-4b6b-AC23-2A8BAE67CC5F}

### **user\_Connection** - (Interaction diagram)

*Created By:* christian on 16.08.2011  
*Last Modified:* 17.10.2011  
*Version:* 1.0. *Locked:* False  
*GUID:* {D3A646D3-0224-4b0f-94C1-B4BF752BC61D}

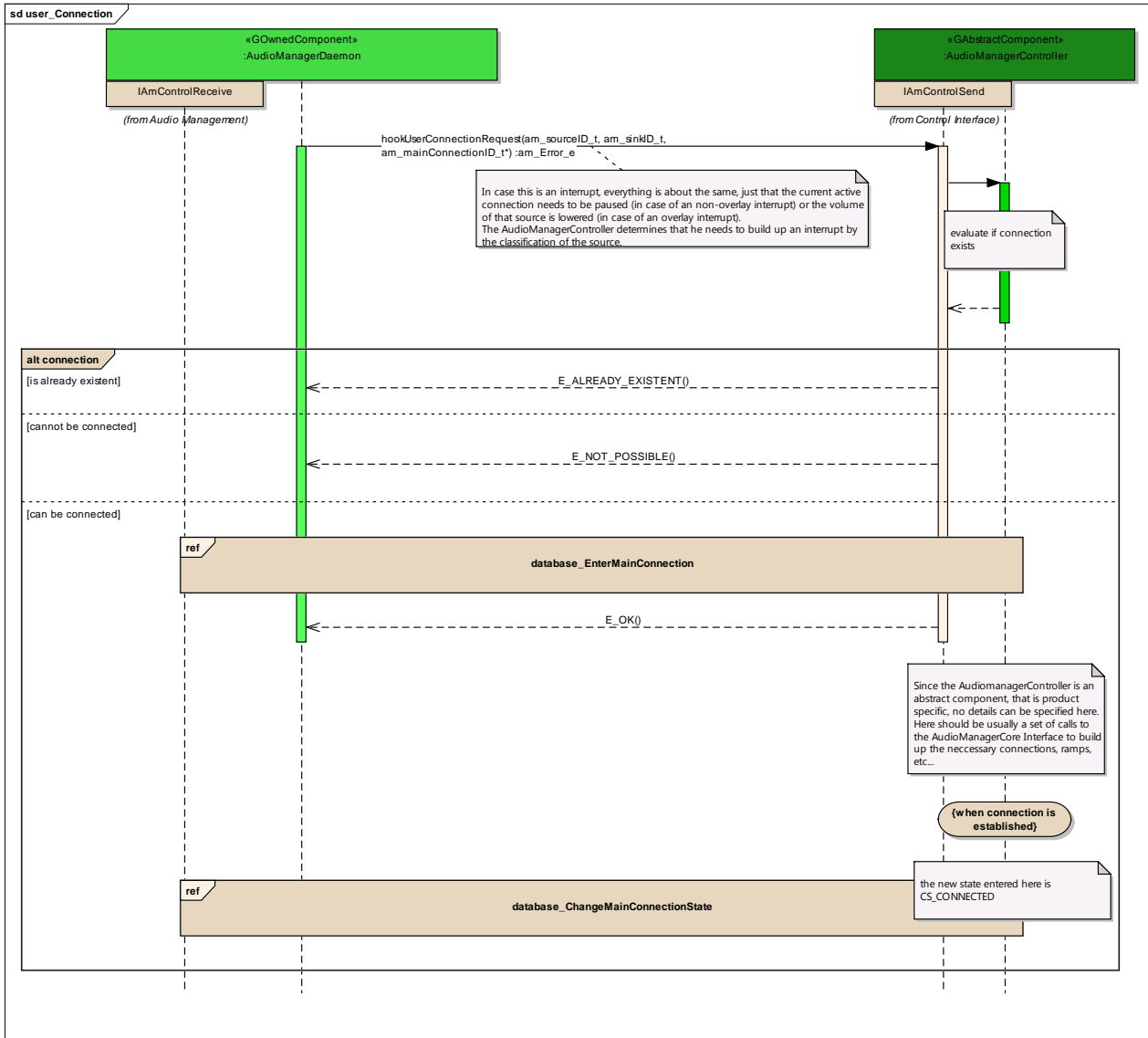


Figure: 76

**Product specific**

Type: **InteractionFragment**  
 Status: Proposed. Version 1.0. Phase 1.0.  
 Package: user\_Connection **Keywords:**  
 Detail: Created on 17.08.2011. Last modified on 22.09.2011.  
 GUID: {781EC822-F8DD-4406-9187-E0CC6661B181}

**connection**

Type: **InteractionFragment**  
 Status: Proposed. Version 1.0. Phase 1.0.  
 Package: user\_Connection **Keywords:**

*Detail:* Created on 17.08.2011. Last modified on 17.08.2011.  
*GUID:* {A650CEA3-D7F7-4845-A4D8-7B5490E840C3}

### **database\_ChangeMainConnectionState**

*Type:* **InteractionOccurrence**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* user\_Connection *Keywords:*  
*Detail:* Created on 10.10.2011. Last modified on 10.10.2011.  
*GUID:* {4630E7BD-E406-4a0f-BF9A-F1DADF7F85CA}

### **database\_EnterMainConnection**

*Type:* **InteractionOccurrence**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* user\_Connection *Keywords:*  
*Detail:* Created on 10.10.2011. Last modified on 10.10.2011.  
*GUID:* {1491FE3B-5588-4d2c-A484-B072035BE81D}

### **user\_Disconnection**

*Type:* **Package**  
*Status:* Reworked. Version 1.0. Phase 1.0.  
*Package:* User Actions  
*Detail:* Created on 17.08.2011. Last modified on 07.10.2011  
*GUID:* {508CB58E-5D1C-4a33-91EE-A586131E4BC5}

#### **user\_Disconnection** - (Interaction diagram)

*Created By:* christian on 17.08.2011  
*Last Modified:* 10.10.2011  
*Version:* 1.0. *Locked:* False  
*GUID:* {538504BF-075F-4950-B28C-32B4F289906F}

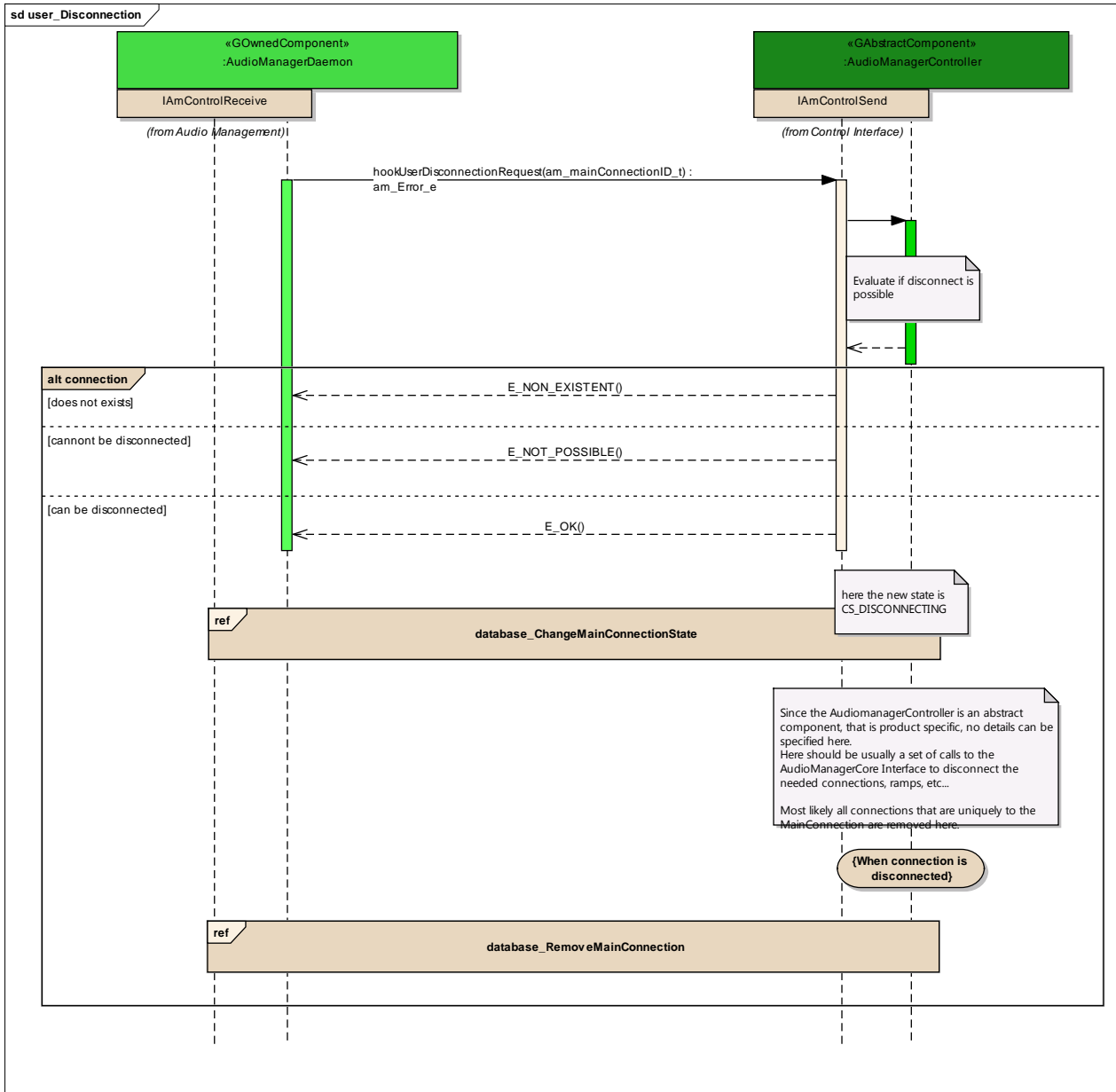


Figure: 77

### Product specific

**Type:** InteractionFragment  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** user\_Disconnection *Keywords:*  
**Detail:** Created on 17.08.2011. Last modified on 17.08.2011.  
**GUID:** {139731F7-3AB3-4ac5-878E-1B325ED5D34B}

### connection

**Type:** InteractionFragment  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** user\_Disconnection **Keywords:**  
**Detail:** Created on 17.08.2011. Last modified on 17.08.2011.  
**GUID:** {18AF9A6C-F655-4e8a-A054-907543758FBB}

### **database\_ChangeMainConnectionState**

**Type:** InteractionOccurrence  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** user\_Disconnection **Keywords:**  
**Detail:** Created on 10.10.2011. Last modified on 10.10.2011.  
**GUID:** {0A87A020-478E-40b7-8134-3694C980A7C9}

### **database\_RemoveMainConnection**

**Type:** InteractionOccurrence  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** user\_Disconnection **Keywords:**  
**Detail:** Created on 10.10.2011. Last modified on 10.10.2011.  
**GUID:** {36F693F7-B05B-4c12-BBFB-FE1294DE36A0}

### **user\_MuteStateChange**

**Type:** Package  
**Status:** Reworked. Version 1.0. Phase 1.0.  
**Package:** User Actions  
**Detail:** Created on 22.09.2011. Last modified on 07.10.2011  
**GUID:** {B687F3AF-46F2-448f-BA21-AC2E4C4BD852}

#### **user\_MuteStateChange** - (Interaction diagram)

**Created By:** christian on 22.09.2011  
**Last Modified:** 10.10.2011  
**Version:** 1.0. **Locked:** False  
**GUID:** {D8FAF9DE-F511-445e-B49A-96155F51C38A}

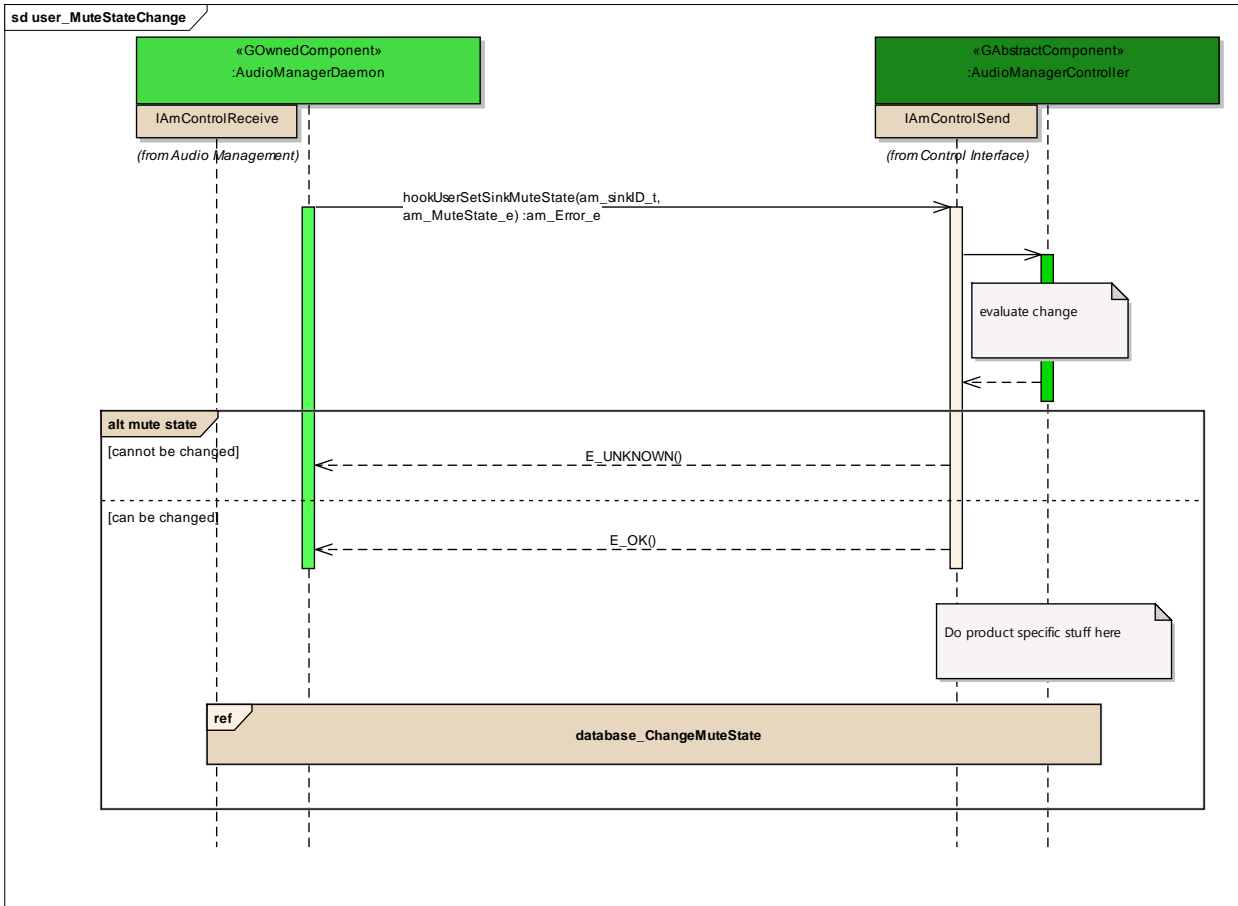


Figure: 78

### database\_ChangeMuteState

**Type:** InteractionOccurrence  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** user\_MuteStateChange *Keywords:*  
**Detail:** Created on 10.10.2011. Last modified on 10.10.2011.  
**GUID:** {88CEAFAC-318E-4a0d-972D-8E3013C24704}

### mute state

**Type:** InteractionFragment  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** user\_MuteStateChange *Keywords:*  
**Detail:** Created on 22.09.2011. Last modified on 22.09.2011.  
**GUID:** {F7651FED-4D3B-41b6-A6C1-0BC3FE0ACDF0}



## ***product specific***

**Type:** InteractionFragment  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** user\_MuteStateChange **Keywords:**  
**Detail:** Created on 22.09.2011. Last modified on 22.09.2011.  
**GUID:** {F6FAEF7E-49E5-485b-AACB-57093F5D4C58}

## **user\_SinkSoundProperty Change**

**Type:** Package  
**Status:** Reworked. Version 1.0. Phase 1.0.  
**Package:** User Actions  
**Detail:** Created on 12.09.2011. Last modified on 07.10.2011  
**GUID:** {6F3868C2-7097-4c27-8690-7CA1A2ACD447}

### **user\_SinkSoundProperty Change** - (Interaction diagram)

**Created By:** christian on 12.09.2011  
**Last Modified:** 10.10.2011  
**Version:** 1.0. **Locked:** False  
**GUID:** {1BC070DF-B07B-4d3f-9239-3B2ADF50F91B}

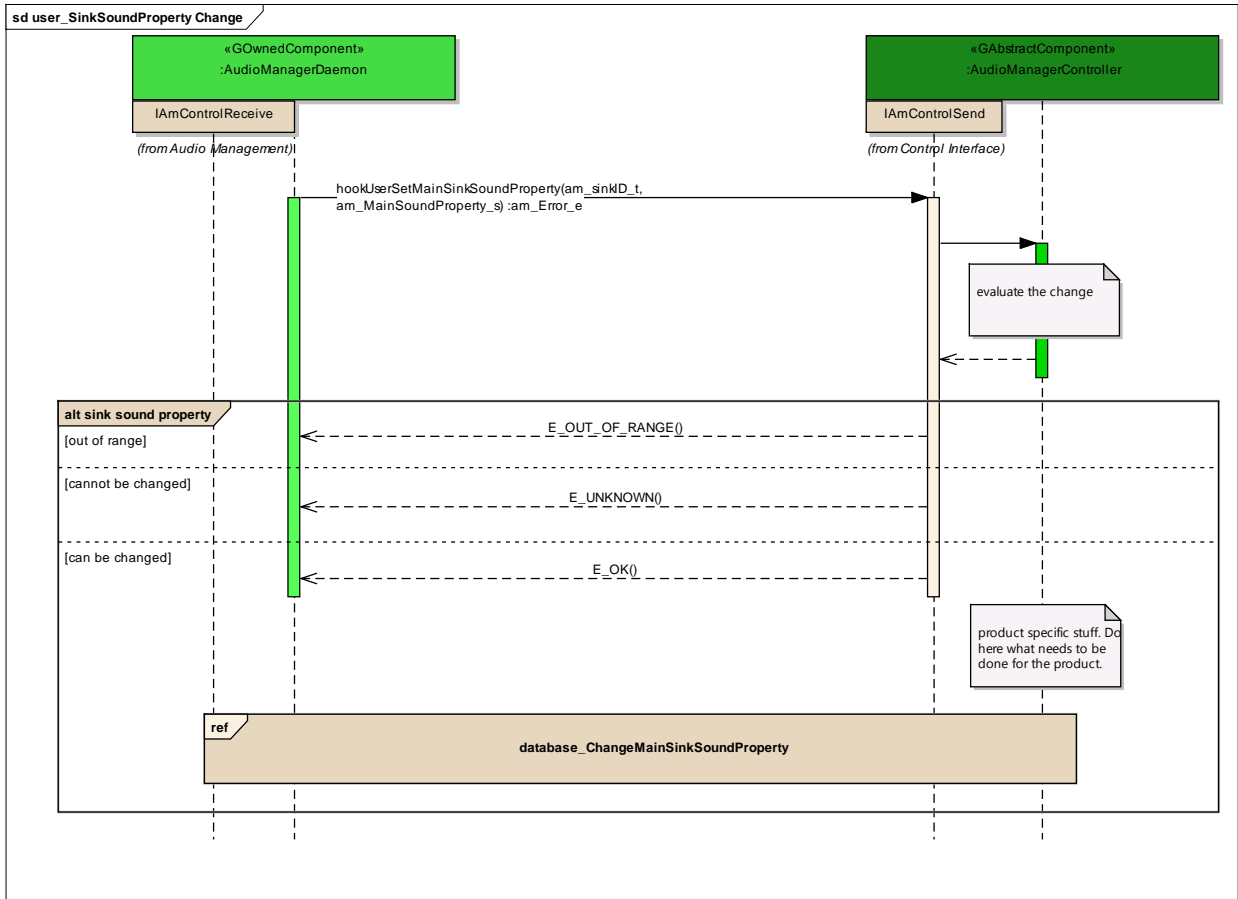


Figure: 79

### database\_ChangeMainSinkSoundProperty

Type: **InteractionOccurrence**  
 Status: Proposed. Version 1.0. Phase 1.0.  
 Package: user\_SinkSoundProperty Change *Keywords:*  
 Detail: Created on 10.10.2011. Last modified on 10.10.2011.  
 GUID: {246AE829-71B9-4991-80DE-D26424EA2045}

### sink sound property

Type: **InteractionFragment**  
 Status: Proposed. Version 1.0. Phase 1.0.  
 Package: user\_SinkSoundProperty Change *Keywords:*  
 Detail: Created on 19.09.2011. Last modified on 19.09.2011.  
 GUID: {46B6A3B2-BC58-42e6-A55C-1E76F21E434D}

## user\_SourceSoundPropertyChange

**Type:** Package  
**Status:** Reworked. Version 1.0. Phase 1.0.  
**Package:** User Actions  
**Detail:** Created on 12.09.2011. Last modified on 07.10.2011  
**GUID:** {C579220E-F717-4e26-BB8C-22F5E2BB38E5}

### user\_SourceSoundPropertyChange - (Interaction diagram)

**Created By:** christian on 12.09.2011  
**Last Modified:** 10.10.2011  
**Version:** 1.0. **Locked:** False  
**GUID:** {31CC48B4-FFB8-493f-9D8B-338D7F29C47C}

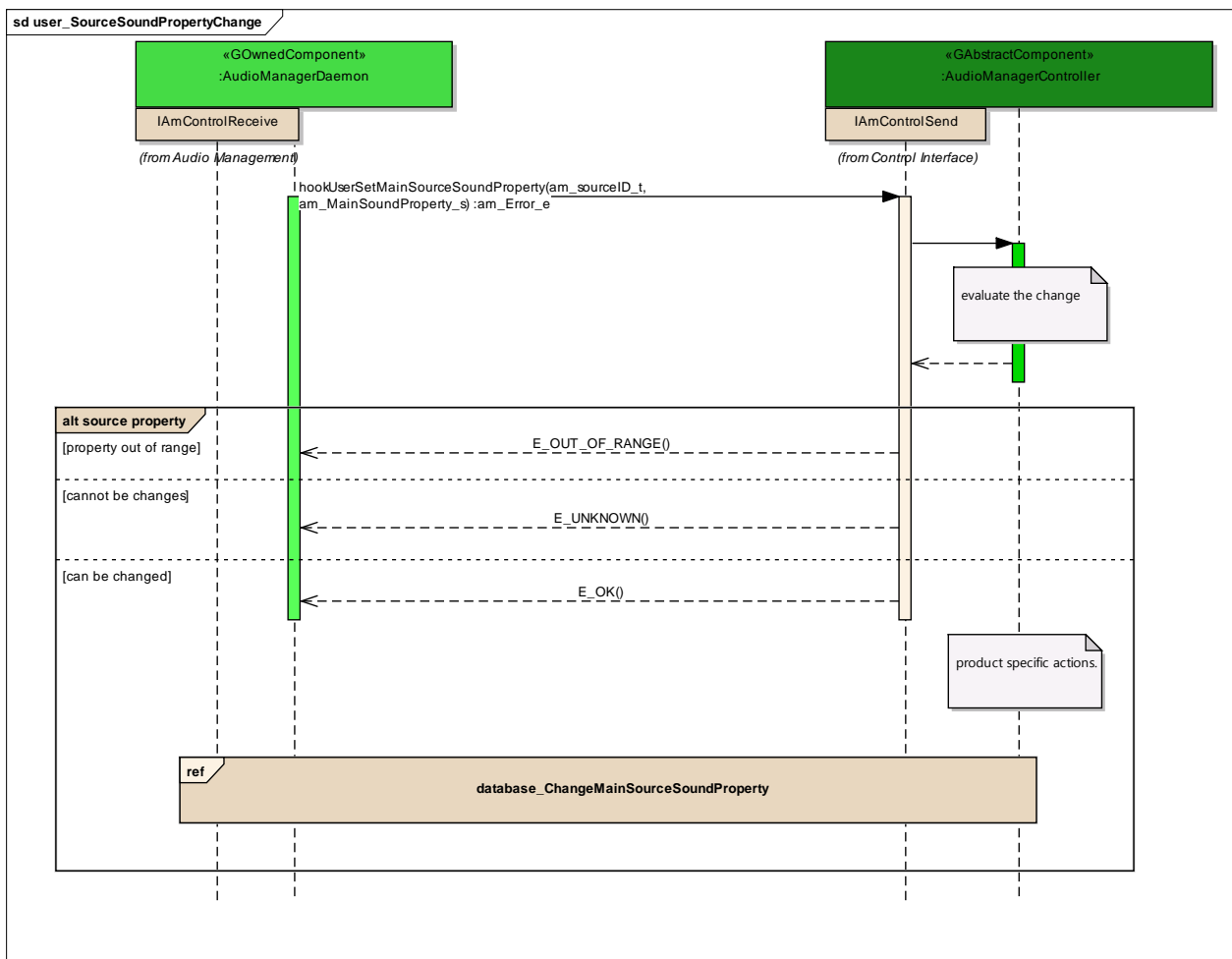


Figure: 80

## database\_ChangeMainSourceSoundProperty

**Type:** InteractionOccurrence  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** user\_SourceSoundPropertyChange **Keywords:**

*Detail:* Created on 10.10.2011. Last modified on 10.10.2011.  
*GUID:* {EB7A40A9-7937-42fb-BA66-4F4F5E008EB3}

### **source property**

*Type:* **InteractionFragment**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* user\_SourceSoundPropertyChange *Keywords:*  
*Detail:* Created on 19.09.2011. Last modified on 19.09.2011.  
*GUID:* {255B51F8-40C4-4b0b-B0F5-F32482E54E6F}

### **user\_SystemPropertyChange**

*Type:* **Package**  
*Status:* Reworked. Version 1.0. Phase 1.0.  
*Package:* User Actions  
*Detail:* Created on 06.10.2011. Last modified on 07.10.2011  
*GUID:* {4D2AEB42-9C95-44a9-A923-BD6DBC90261A}

### **user\_SvstemPropertyChange** - (Interaction diagram)

*Created By:* christian on 06.10.2011  
*Last Modified:* 10.10.2011  
*Version:* 1.0. *Locked:* False  
*GUID:* {4EA44395-71F2-454e-BC5E-E0D936A1DA56}

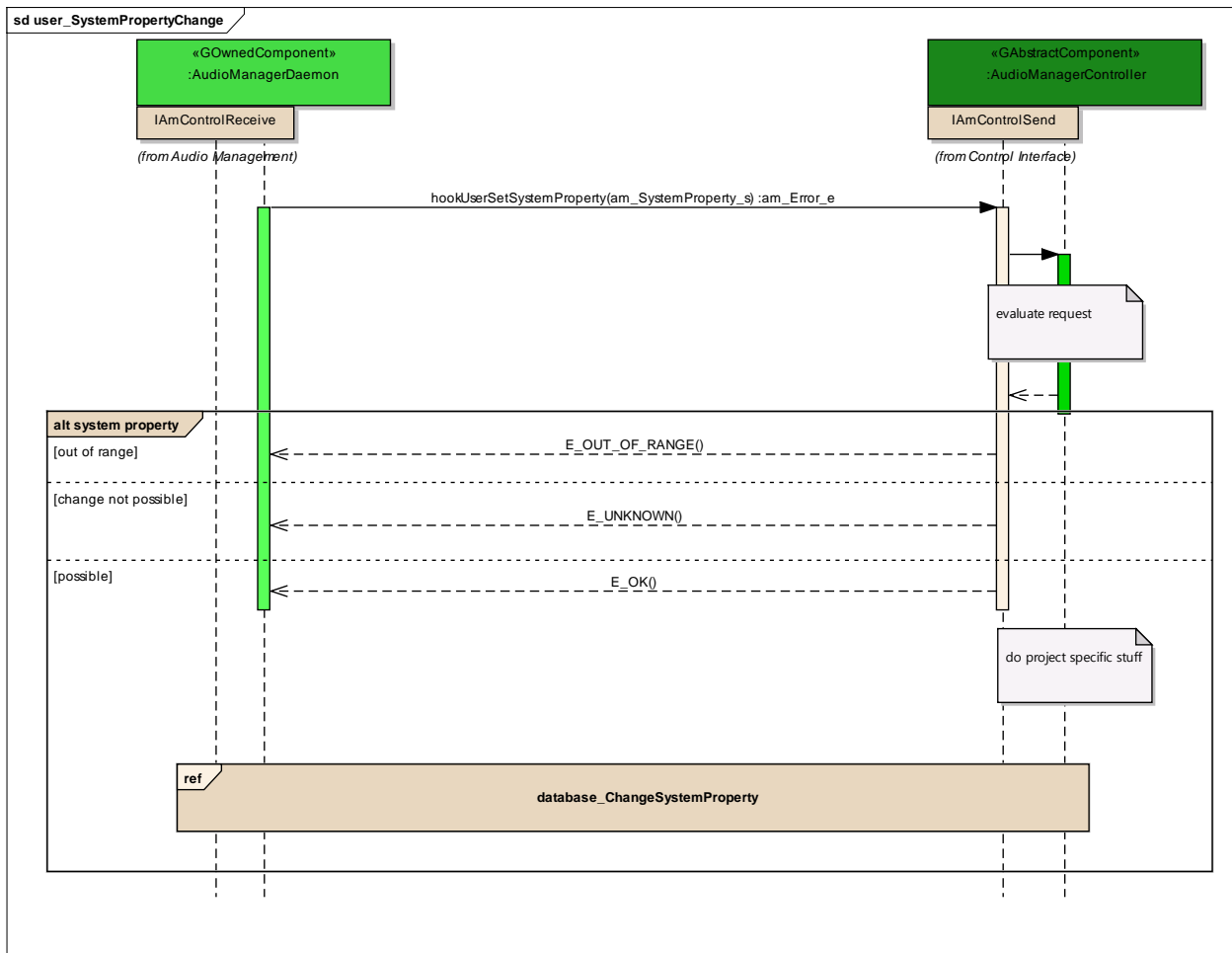


Figure: 81

### database\_ChangeSystemProperty

Type: **InteractionOccurrence**  
 Status: Proposed. Version 1.0. Phase 1.0.  
 Package: user\_SystemPropertyChange *Keywords:*  
 Detail: Created on 10.10.2011. Last modified on 10.10.2011.  
 GUID: {419784A3-5DCB-4ac3-BE8A-D626CF640F81}

### system property

Type: **InteractionFragment**  
 Status: Proposed. Version 1.0. Phase 1.0.  
 Package: user\_SystemPropertyChange *Keywords:*  
 Detail: Created on 06.10.2011. Last modified on 06.10.2011.  
 GUID: {B82FD946-3ADE-4e97-AD0E-CE1BC32B5018}

## user\_VolumeStep

Type: **Package**  
 Status: Reworked. Version 1.0. Phase 1.0.  
 Package: User Actions  
 Detail: Created on 06.10.2011. Last modified on 10.10.2011  
 GUID: {0BB693F5-9569-4219-B7DC-B08FA48A9797}

### user\_VolumeStep - (Interaction diagram)

Created By: christian on 06.10.2011  
 Last Modified: 10.10.2011  
 Version: 1.0. Locked: False  
 GUID: {48D679B5-41E2-4f57-83CF-C8ED13E6B9D7}

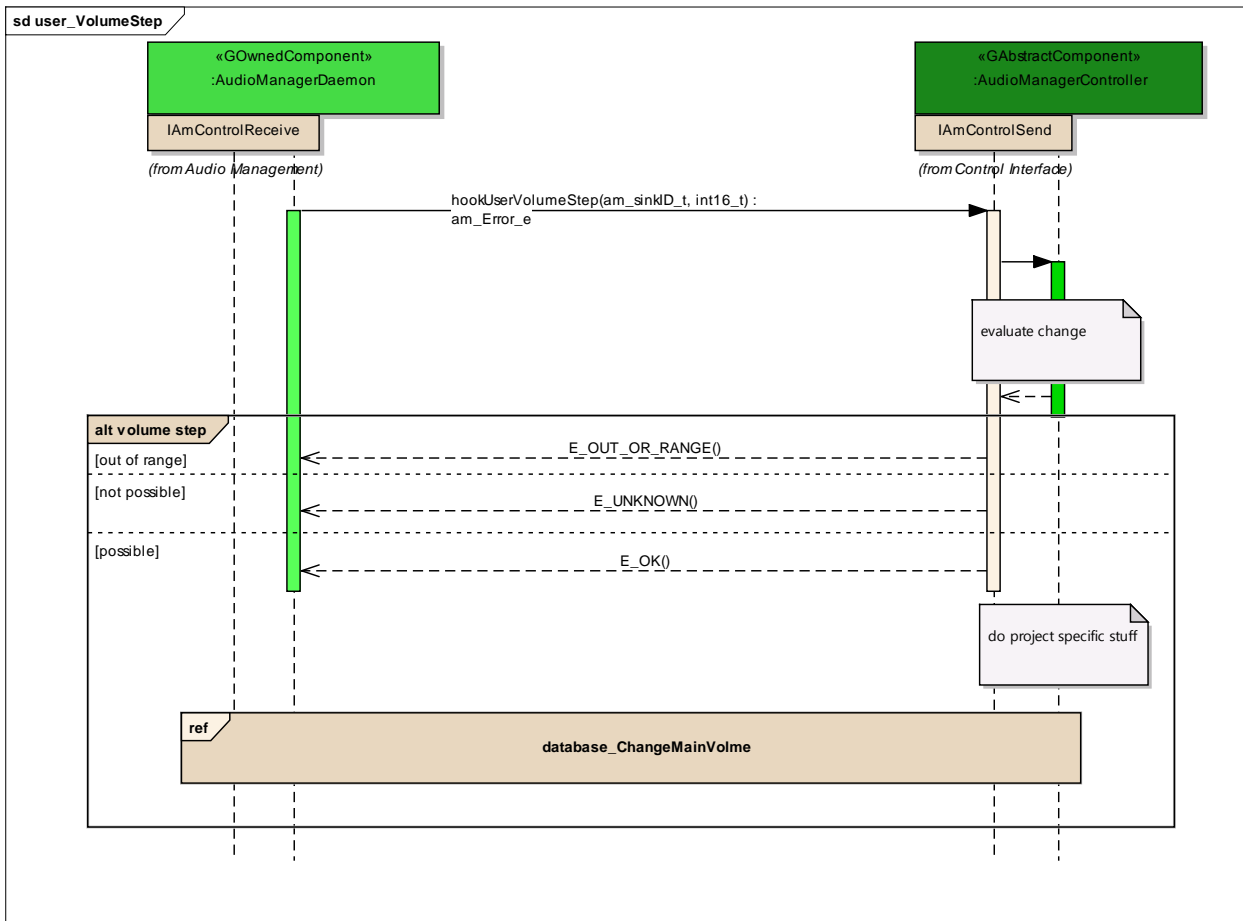


Figure: 82

## database\_ChangeMainVolme

Type: **InteractionOccurrence**  
 Status: Proposed. Version 1.0. Phase 1.0.

*Package:* user\_VolumeStep *Keywords:*  
*Detail:* Created on 10.10.2011. Last modified on 10.10.2011.  
*GUID:* {8C174B5B-4CAE-4f2e-BF41-36B706C6A002}

## volume step

*Type:* **InteractionFragment**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* user\_VolumeStep *Keywords:*  
*Detail:* Created on 06.10.2011. Last modified on 06.10.2011.  
*GUID:* {BAECDE87-D6A1-467c-9DB7-00B1D89F31A2}

## user\_VolumeChange

*Type:* **Package**  
*Status:* Reworked. Version 1.0. Phase 1.0.  
*Package:* User Actions  
*Detail:* Created on 17.08.2011. Last modified on 10.10.2011  
*GUID:* {338615B8-9305-4fe2-B8B1-6CA82D4B32DF}

### **user\_VolumeChange** - (Interaction diagram)

*Created By:* christian on 17.08.2011  
*Last Modified:* 10.10.2011  
*Version:* 1.0. *Locked:* False  
*GUID:* {36BE8A26-3177-4c16-951F-33BB26EFA6EE}

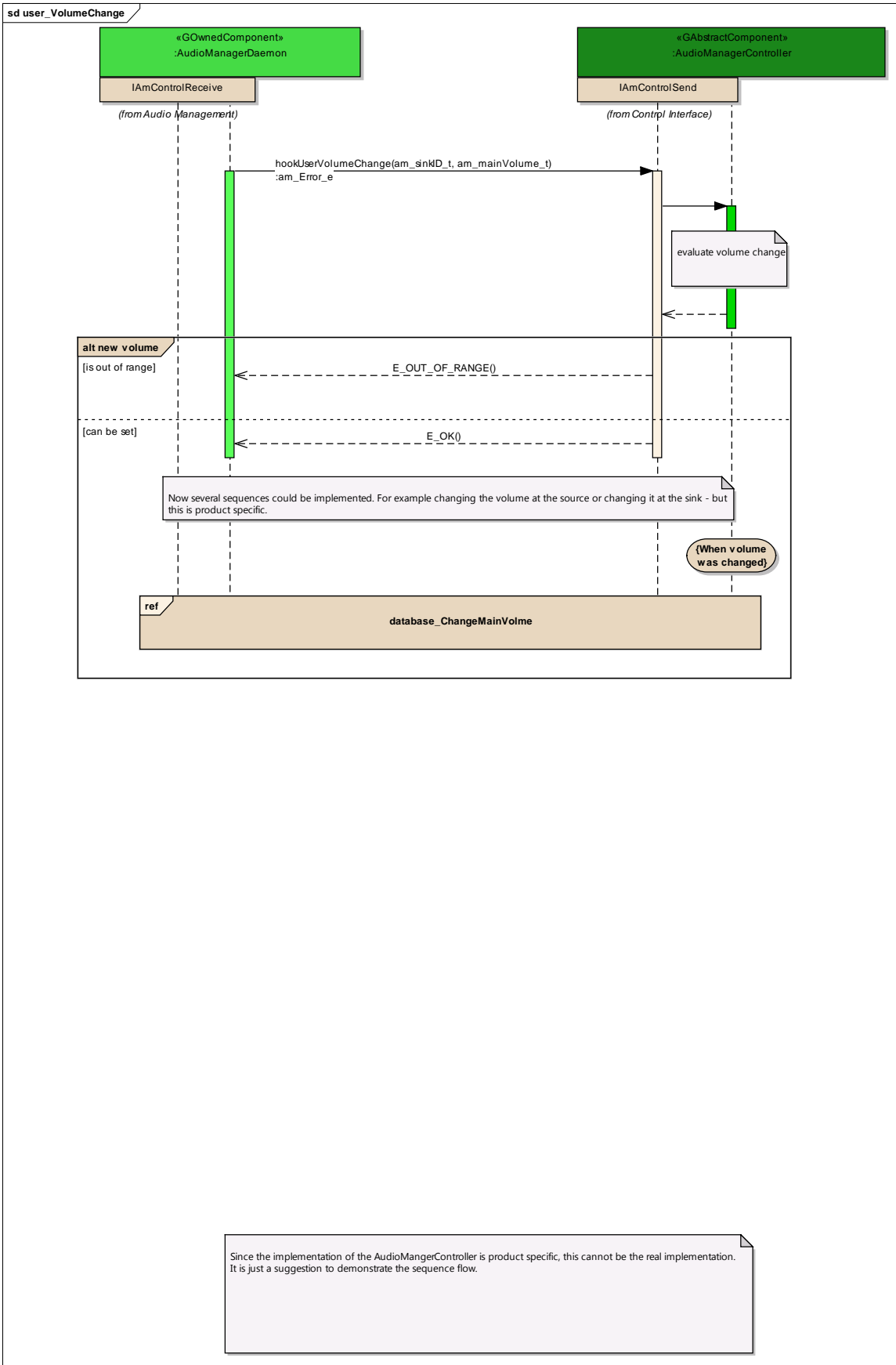


Figure: 83



## database\_ChangeMainVolme

*Type:* **InteractionOccurrence**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* user\_VolumeChange *Keywords:*  
*Detail:* Created on 10.10.2011. Last modified on 10.10.2011.  
*GUID:* {5966DA05-FEB5-4f71-9F48-634B69EB1389}

## new volume

*Type:* **InteractionFragment**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* user\_VolumeChange *Keywords:*  
*Detail:* Created on 18.08.2011. Last modified on 18.08.2011.  
*GUID:* {F3E16D7C-7802-4d79-8217-56983F3AF3FE}

## System Events

*Type:* **Package**  
*Status:* Reworked. Version 1.0. Phase 1.0.  
*Package:* Control Interface  
*Detail:* Created on 09.09.2011. Last modified on 10.10.2011  
*GUID:* {084835B0-A0F8-4d14-8E75-917D49150329}

## System

*Type:* **Component**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* System Events *Keywords:*  
*Detail:* Created on 22.09.2011. Last modified on 22.09.2011.  
*GUID:* {D24AEC54-BCCE-4711-835F-FC9B86DD6B2C}

### Custom Properties

- isIndirectlyInstantiated = True

### Embedded Elements

Element	Detail	Notes
---------	--------	-------



**GUID:** {AC590DA6-9D45-4b46-801D-E00727B765A9}

### **database\_ChangeMainSinkNotification**

**Type:** InteractionOccurrence  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** events\_MainSinkNotificationConfigurationChange *Keywords:*  
**Detail:** Created on 29.01.2013. Last modified on 29.01.2013.  
**GUID:** {A6578DDA-D4FE-46c4-BA0B-E331E1C56BF2}

### **events\_MainSourceNotficiationConfigurationChange**

**Type:** Package  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** System Events  
**Detail:** Created on 29.01.2013. Last modified on 29.01.2013  
**GUID:** {01557D15-CC43-473b-AB95-B148A2DE1B73}

#### **events\_MainSourceNotficiationConfigurationChange** - (Interaction diagram)

**Created By:** q232968 on 29.01.2013  
**Last Modified:** 29.01.2013  
**Version:** 1.0. *Locked:* False  
**GUID:** {B3521A43-5356-4f8e-96DF-7872960228A6}

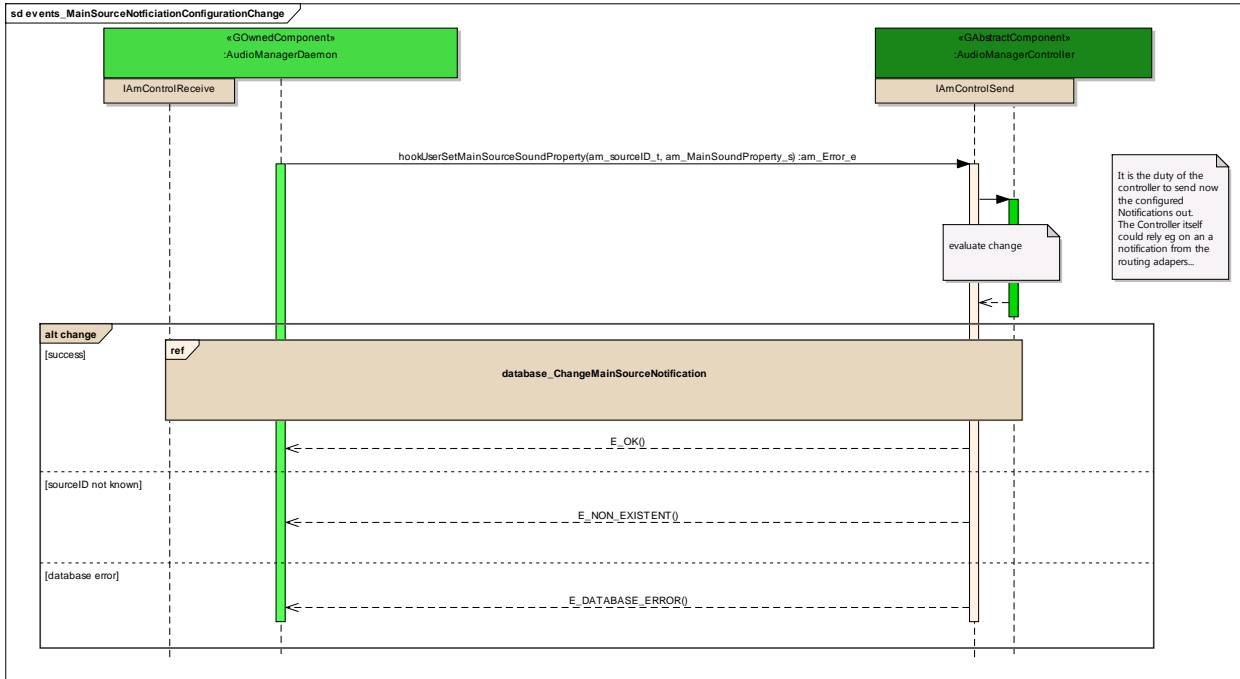


Figure: 85

### change

Type: **InteractionFragment**  
 Status: Proposed. Version 1.0. Phase 1.0.  
 Package: events\_MainSourceNotficiationConfigurationChange **Keywords:**  
 Detail: Created on 29.01.2013. Last modified on 29.01.2013.  
 GUID: {B132A97F-3775-49c7-9482-C2E0787A2D60}

### database\_ChangeMainSourceNotification

Type: **InteractionOccurrence**  
 Status: Proposed. Version 1.0. Phase 1.0.  
 Package: events\_MainSourceNotficiationConfigurationChange **Keywords:**  
 Detail: Created on 29.01.2013. Last modified on 29.01.2013.  
 GUID: {A7D7D00C-71D4-4118-9D1E-3927AC6531B9}

### events\_SinkNotificationDataChange

Type: **Package**  
 Status: Proposed. Version 1.0. Phase 1.0.  
 Package: System Events  
 Detail: Created on 29.01.2013. Last modified on 29.01.2013

**GUID:** {585AD876-0757-4269-8634-B9AA2C95C720}

**events\_SinkNotificationDataChange** - (Interaction diagram)

**Created By:** q232968 on 29.01.2013  
**Last Modified:** 30.01.2013  
**Version:** 1.0. *Locked:* False  
**GUID:** {972E26CC-D87F-4166-B9C4-FE392FAB7E9A}

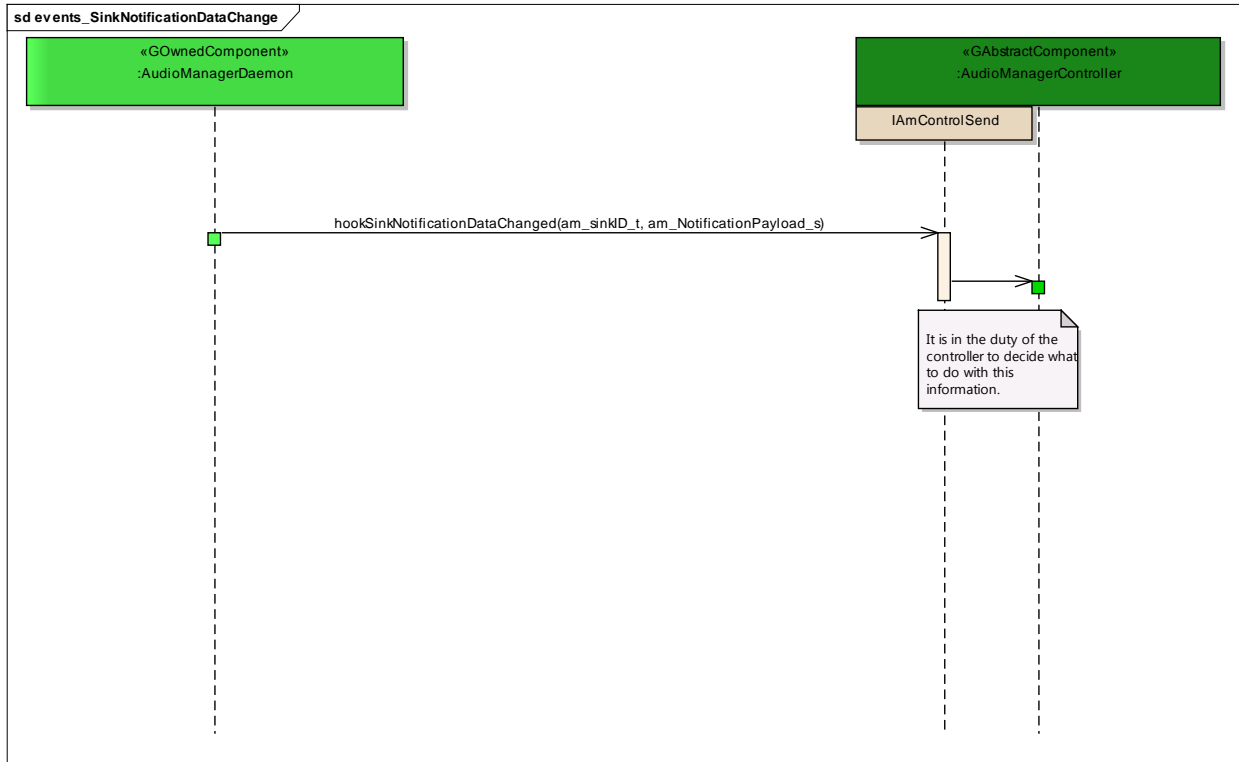


Figure: 86

**events\_SourceNotificationDataChange**

**Type:** Package  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** System Events  
**Detail:** Created on 30.01.2013. Last modified on 30.01.2013  
**GUID:** {07856D62-9368-46ea-8D7D-A1CD5225ABF8}

**events\_SourceNotificationDataChange** - (Interaction diagram)

**Created By:** q232968 on 30.01.2013  
**Last Modified:** 30.01.2013  
**Version:** 1.0. *Locked:* False  
**GUID:** {484E32A8-DE4D-48d6-B998-59EF74BCC0D3}

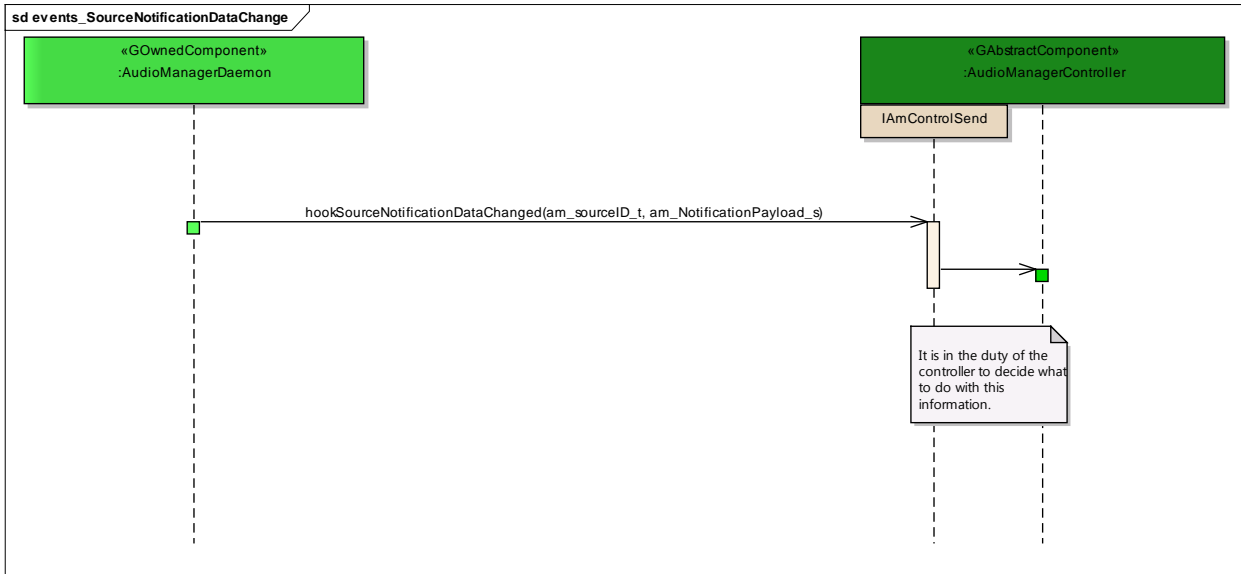


Figure: 87

## events\_AllPluginsLoaded

**Type:** Package  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** System Events  
**Detail:** Created on 12.10.2011. Last modified on 12.10.2011  
**GUID:** {E8E18AA2-53E9-496d-AD04-83BA800FC2EE}

### events\_AllPluginsLoaded - (Interaction diagram)

**Created By:** christian on 12.10.2011  
**Last Modified:** 07.03.2012  
**Version:** 1.0. **Locked:** False  
**GUID:** {6189C7C4-08EE-4511-A76A-149B3C476BAE}

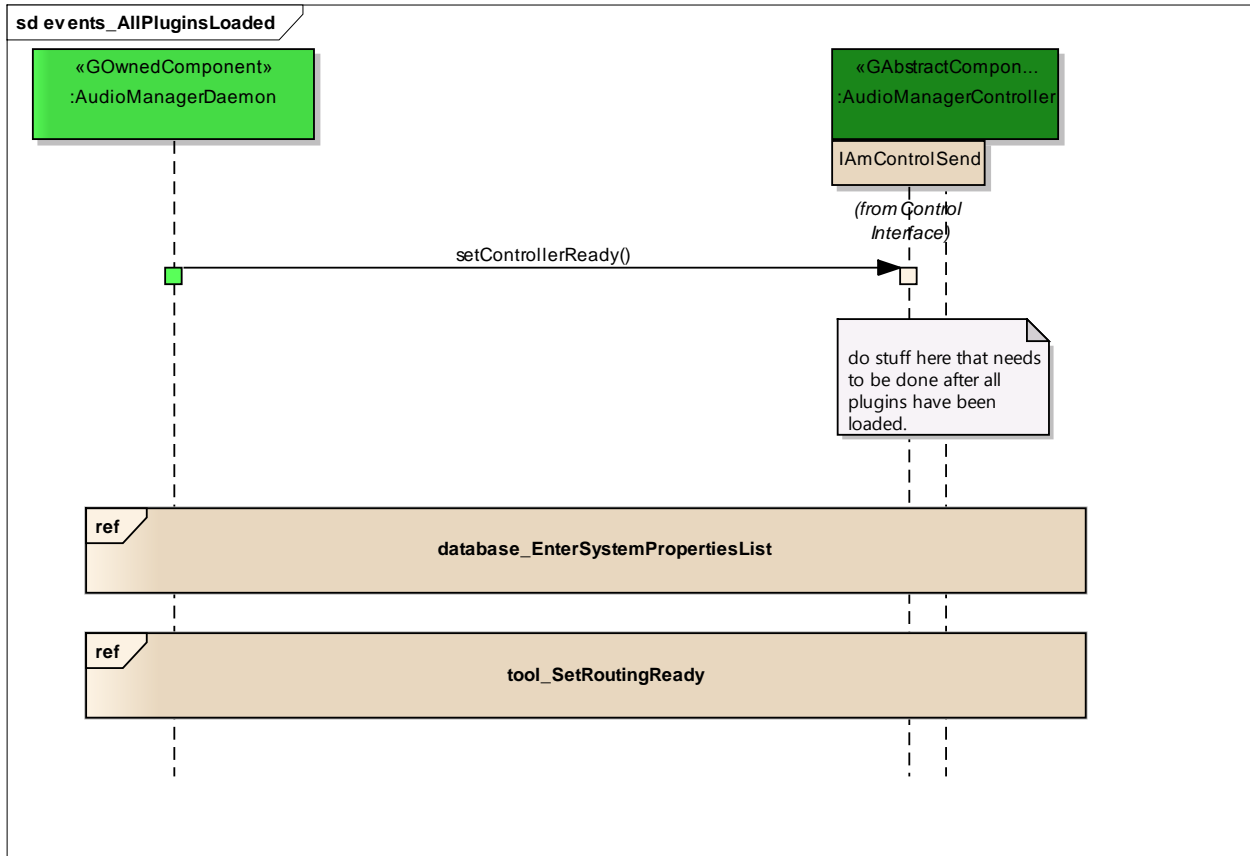


Figure: 88

### database\_EnterSystemPropertiesList

**Type:** InteractionOccurrence  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** events\_AllPluginsLoaded **Keywords:**  
**Detail:** Created on 07.12.2011. Last modified on 07.12.2011.  
**GUID:** {3CB5F697-CFDE-4c2e-8A78-39D05CD83AF3}

### tool\_SetRoutingReady

**Type:** InteractionOccurrence  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** events\_AllPluginsLoaded **Keywords:**  
**Detail:** Created on 12.10.2011. Last modified on 12.10.2011.  
**GUID:** {7B438642-29A3-4d3a-B747-5D345FE83C4E}

## events\_DomainRegistrationComplete

Type: **Package**  
 Status: Proposed. Version 1.0. Phase 1.0.  
 Package: System Events  
 Detail: Created on 12.10.2011. Last modified on 12.10.2011  
 GUID: {55867179-3D38-4109-8702-8386E1393AA5}

### events\_DomainRegistrationComplete - (Interaction diagram)

Created By: christian on 12.10.2011  
 Last Modified: 12.10.2011  
 Version: 1.0. Locked: False  
 GUID: {0ED3963B-2A68-4cc1-BEC4-A82D2067357C}

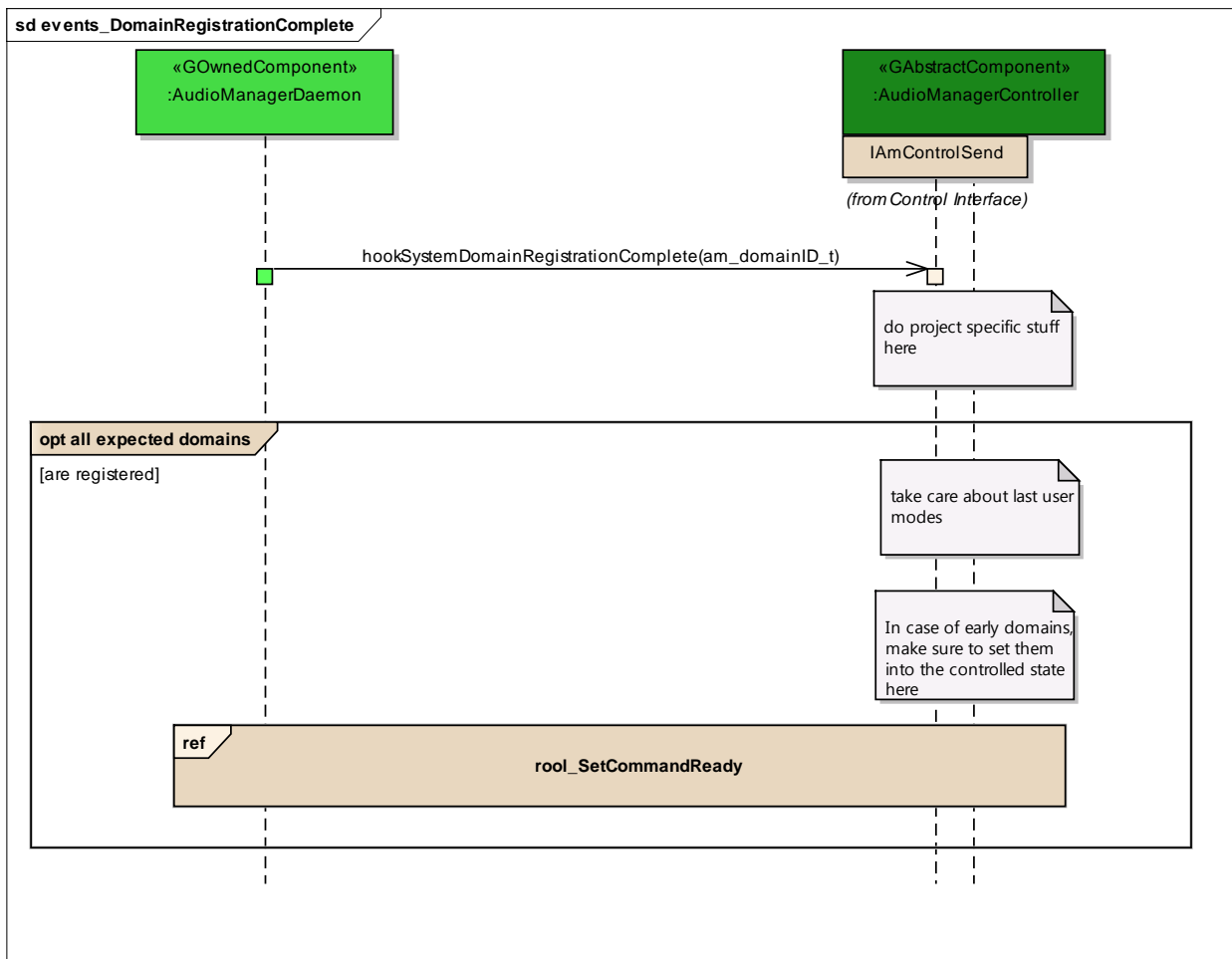


Figure: 89

### all expected domains

Type: **InteractionFragment**  
 Status: Proposed. Version 1.0. Phase 1.0.  
 Package: events\_DomainRegistrationComplete *Keywords:*  
 Detail: Created on 12.10.2011. Last modified on 12.10.2011.  
 GUID: {21ACDE05-78B3-4967-B356-9FDE4A56FE7C}



## rool\_SetCommandReady

**Type:** InteractionOccurrence  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** events\_DomainRegistrationComplete *Keywords:*  
**Detail:** Created on 12.10.2011. Last modified on 12.10.2011.  
**GUID:** {CE5C3FBA-4FA9-48a5-A143-C3F21CB524BF}

## events\_SinkVolumeTicks

**Type:** Package  
**Status:** Reworked. Version 1.0. Phase 1.0.  
**Package:** System Events  
**Detail:** Created on 04.10.2011. Last modified on 11.10.2011  
**GUID:** {49840983-DF25-4101-968F-D5025992A681}

### events\_SinkVolumeTicks - (Interaction diagram)

**Created By:** christian on 04.10.2011  
**Last Modified:** 12.10.2011  
**Version:** 1.0. *Locked:* False  
**GUID:** {2C6E09DC-95B7-43bc-9CBE-4A8A9C1B150C}

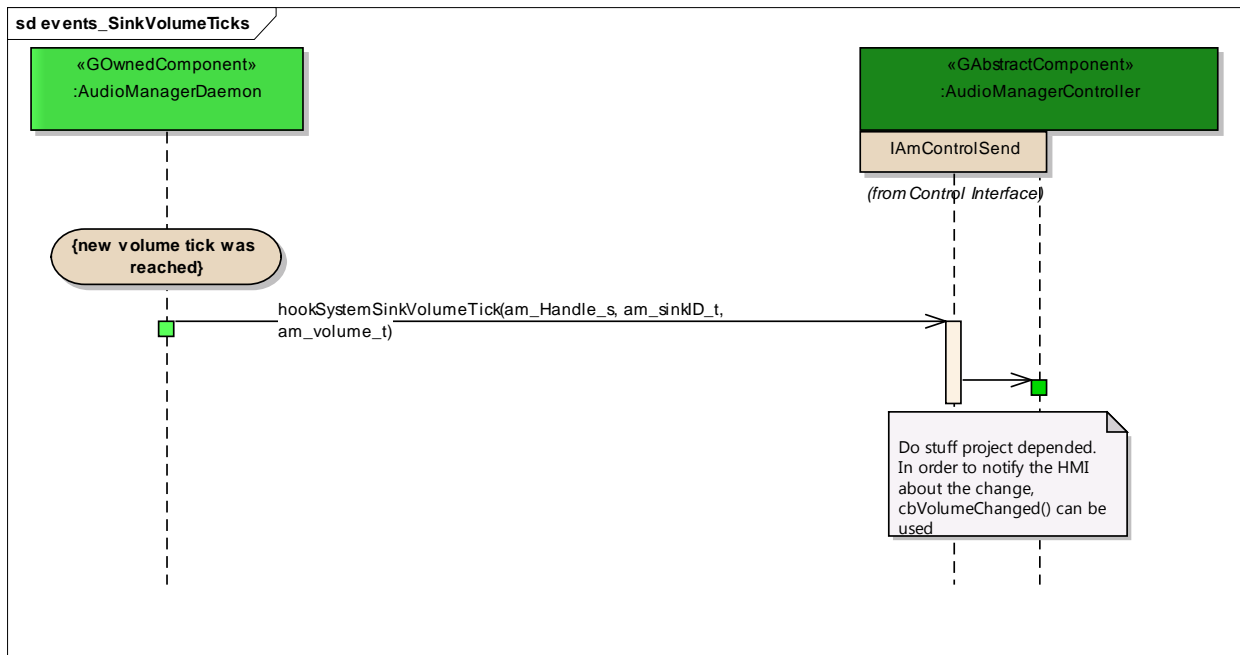


Figure: 90

## events\_SourceVolumeTicks

**Type:** **Package**  
**Status:** Reworked. Version 1.0. Phase 1.0.  
**Package:** System Events  
**Detail:** Created on 04.10.2011. Last modified on 11.10.2011  
**GUID:** {FE297D2F-D849-4b2b-AB35-2CD273F15138}

### events\_SourceVolumeTicks - (Interaction diagram)

**Created By:** christian on 04.10.2011  
**Last Modified:** 12.10.2011  
**Version:** 1.0. **Locked:** False  
**GUID:** {817DD251-1618-4b1e-B31C-E1C528415677}

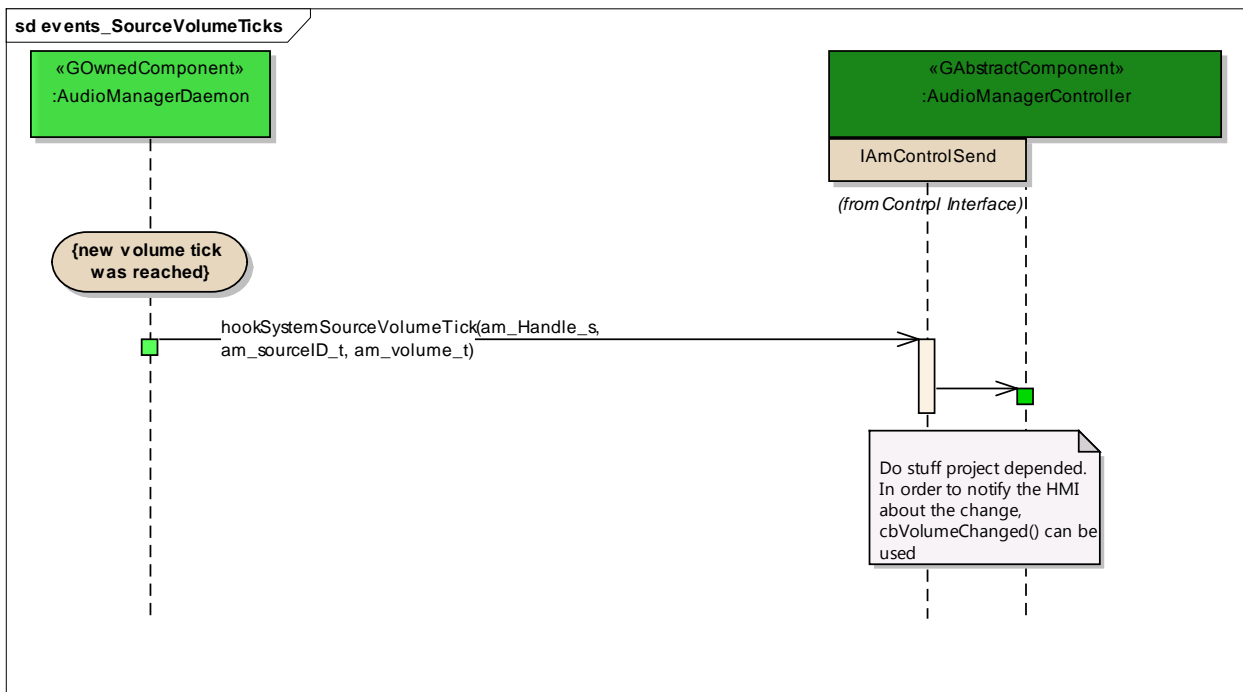


Figure: 91

## events\_DomainStateChange

**Type:** **Package**  
**Status:** Reworked. Version 1.0. Phase 1.0.  
**Package:** System Events  
**Detail:** Created on 21.09.2011. Last modified on 11.10.2011  
**GUID:** {28EB459A-7418-4326-A673-33EDFA48D4FE}

### events\_DomainStateChange - (Interaction diagram)

**Created By:** christian on 21.09.2011  
**Last Modified:** 11.10.2011  
**Version:** 1.0. **Locked:** False

**GUID:** {46682A21-E50D-48ea-ABBA-AE1857844504}

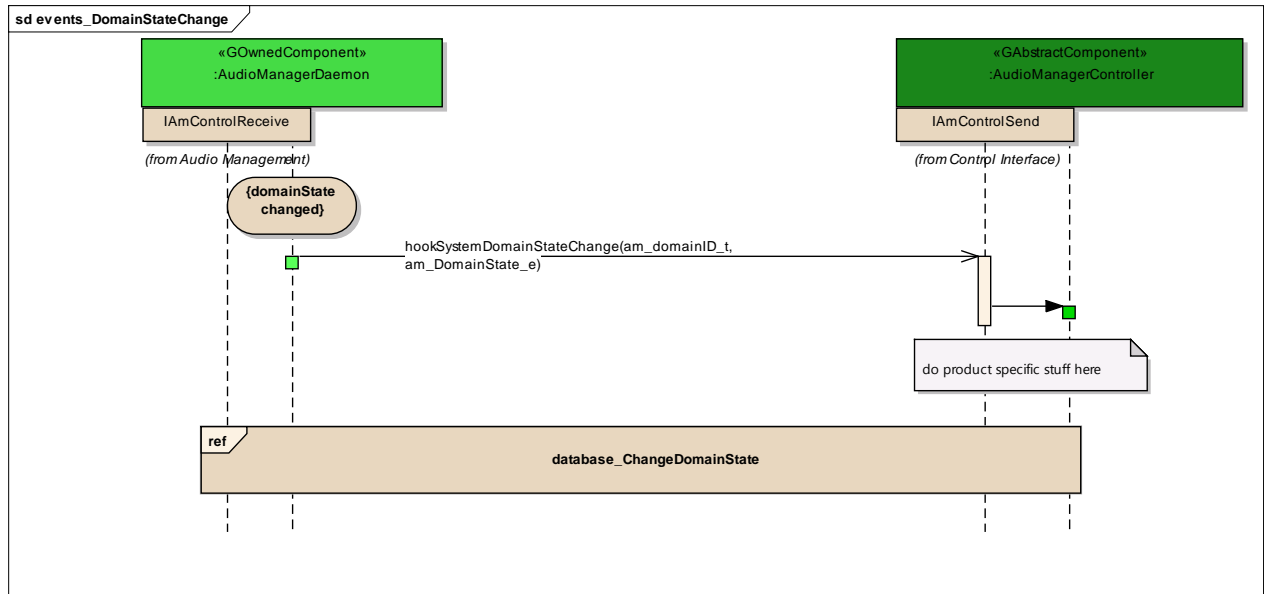


Figure: 92

### database\_ChangeDomainState

**Type:** InteractionOccurrence  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** events\_DomainStateChange **Keywords:**  
**Detail:** Created on 10.10.2011. Last modified on 10.10.2011.  
**GUID:** {A7CD06A0-B30F-47b7-A7CC-01DEB7589169}

### events\_SinkAvailabilityChange

**Type:** Package  
**Status:** Reworked. Version 1.0. Phase 1.0.  
**Package:** System Events  
**Detail:** Created on 20.09.2011. Last modified on 11.10.2011  
**GUID:** {CD245B6E-ACE1-49a7-9327-B949152394D7}

#### events\_SinkAvailabilityChange - (Interaction diagram)

**Created By:** christian on 20.09.2011  
**Last Modified:** 11.10.2011  
**Version:** 1.0. **Locked:** False  
**GUID:** {69F3C507-BD00-46bd-B010-1C206E83E779}

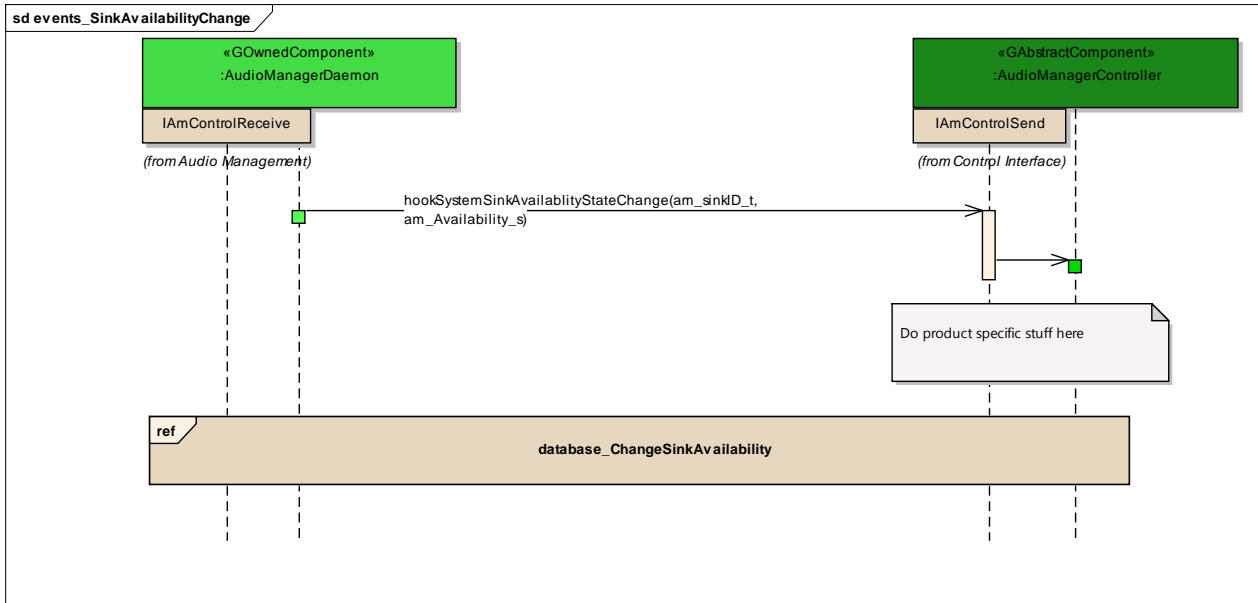


Figure: 93

### database\_ChangeSinkAvailability

Type: **InteractionOccurrence**  
 Status: Proposed. Version 1.0. Phase 1.0.  
 Package: events\_SinkAvailabilityChange *Keywords:*  
 Detail: Created on 10.10.2011. Last modified on 10.10.2011.  
 GUID: {7F8149EC-8F2F-453a-B5F9-7717CD009195}

### events\_SourceAvailabilityChange

Type: **Package**  
 Status: Reworked. Version 1.0. Phase 1.0.  
 Package: System Events  
 Detail: Created on 19.09.2011. Last modified on 11.10.2011  
 GUID: {B6B42000-52FB-490c-B742-C7D66602E149}

#### events\_SourceAvailabilityChange - (Interaction diagram)

Created By: christian on 19.09.2011  
 Last Modified: 11.10.2011  
 Version: 1.0. *Locked:* False  
 GUID: {7942824C-7E1B-45ac-AAC5-19C57C9B3F6A}

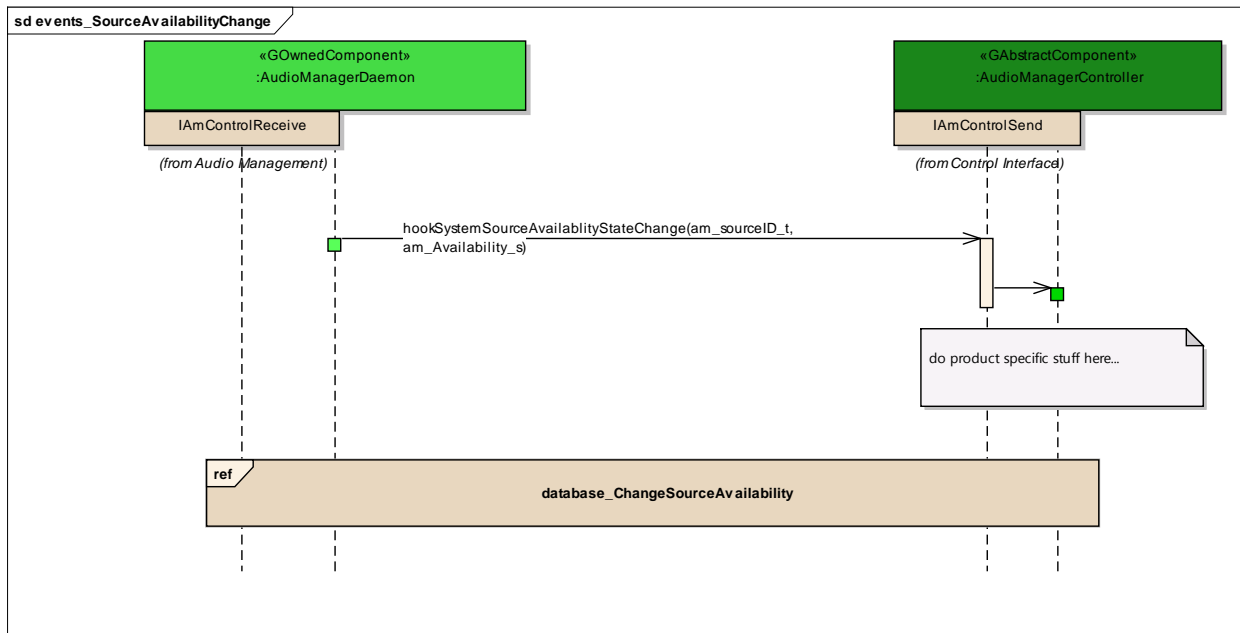


Figure: 94

## c\_Source\_Availability\_Change

**Type:** InteractionOccurrence  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** events\_SourceAvailabilityChange *Keywords:*  
**Detail:** Created on 20.09.2011. Last modified on 20.09.2011.  
**GUID:** {D84F9A17-EA73-4e9b-A890-72938C118674}

## database\_ChangeSourceAvailability

**Type:** InteractionOccurrence  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** events\_SourceAvailabilityChange *Keywords:*  
**Detail:** Created on 10.10.2011. Last modified on 10.10.2011.  
**GUID:** {5D3C5FEC-41F8-41fa-858E-B12917CFE97B}

## product specific

**Type:** InteractionFragment  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** events\_SourceAvailabilityChange *Keywords:*  
**Detail:** Created on 19.09.2011. Last modified on 19.09.2011.  
**GUID:** {960DFE8A-3180-416a-9DB6-E5012E8919A4}

## events\_SpeedChange

**Type:** Package  
**Status:** Reworked. Version 1.0. Phase 1.0.  
**Package:** System Events  
**Detail:** Created on 22.09.2011. Last modified on 11.10.2011  
**GUID:** {B4DD4695-5E65-4943-A2B8-106BB2D9EA42}

The adjustments for the speed are product specific in the controller. Here is shown how the AudioManagerDaemon provides speed information with a given quantization and sample rate.

Turning speed controlled volume on/off and possible settings are achieved via SinkSoundProperty settings.

### events\_SpeedChange - (Interaction diagram)

**Created By:** christian on 22.09.2011  
**Last Modified:** 11.10.2011  
**Version:** 1.0. *Locked:* False  
**GUID:** {9775708F-6671-4d48-AAB0-53E5AAEBF7CB}

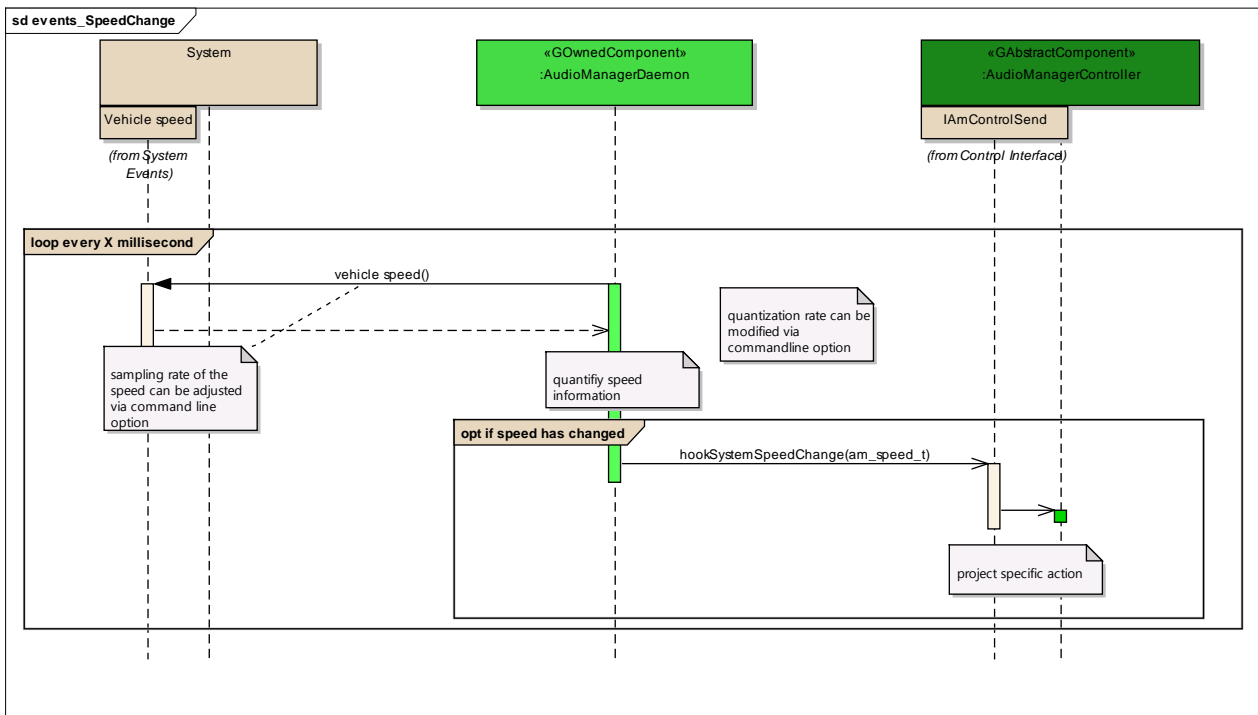


Figure: 95

### every X millisecond

**Type:** InteractionFragment  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** events\_SpeedChange *Keywords:*  
**Detail:** Created on 22.09.2011. Last modified on 22.09.2011.

**GUID:** {0C42952F-7512-47f0-B709-9251D546BB10}

### ***if speed has changed***

**Type:** **InteractionFragment**  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** events\_SpeedChange **Keywords:**  
**Detail:** Created on 22.09.2011. Last modified on 22.09.2011.  
**GUID:** {291554A4-54EF-456b-BB7B-D2BD36EC76BE}

### **events\_SinkRegistration**

**Type:** **Package**  
**Status:** Reworked. Version 1.0. Phase 1.0.  
**Package:** System Events  
**Detail:** Created on 22.08.2011. Last modified on 11.10.2011  
**GUID:** {C9C6DFA8-90A7-480c-8E0D-8096E8A88E38}

#### **events\_SinkRegistration** - (Interaction diagram)

**Created By:** christian on 22.08.2011  
**Last Modified:** 11.10.2011  
**Version:** 1.0. **Locked:** False  
**GUID:** {2BD71163-5726-45c2-9AE3-E0838C3C4EB7}

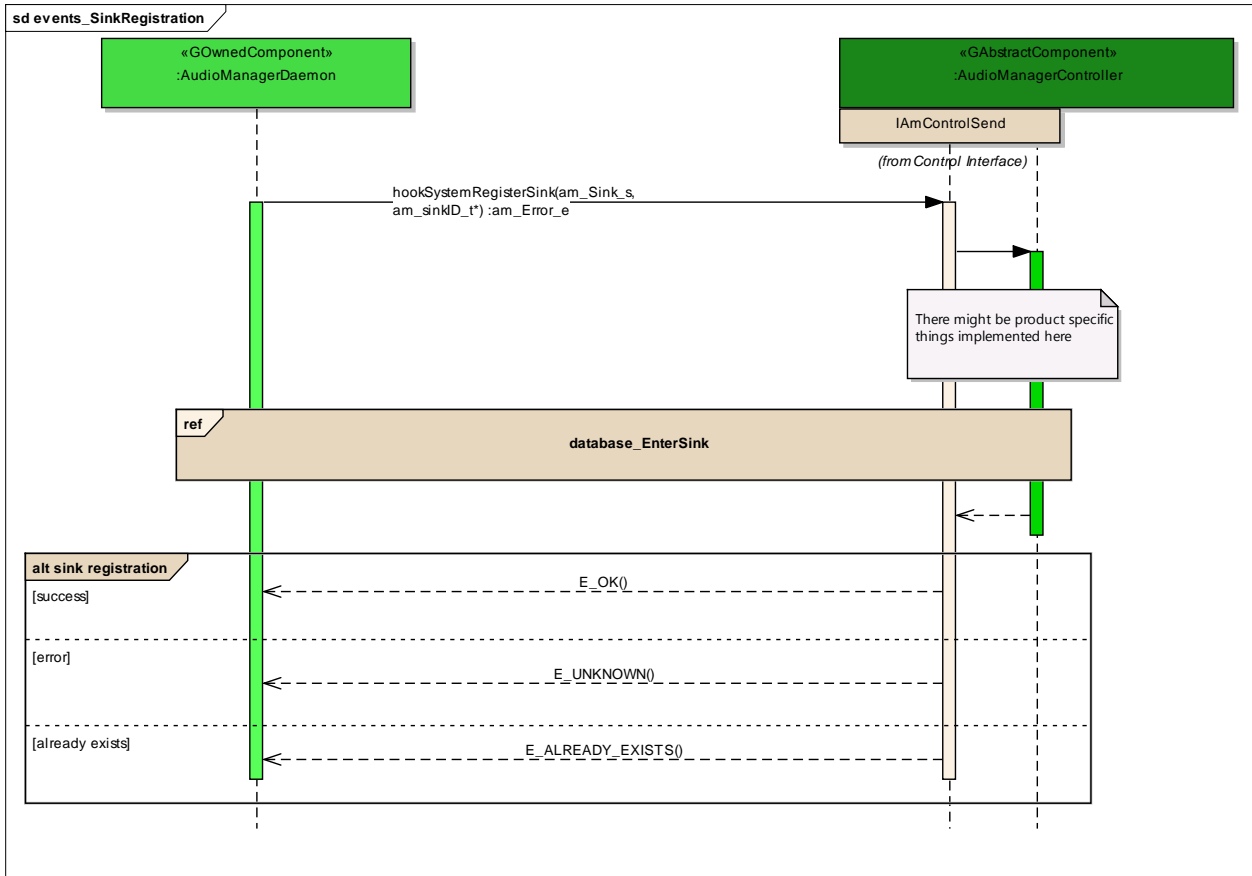


Figure: 96

### database\_EnterSink

**Type:** InteractionOccurrence  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** events\_SinkRegistration *Keywords:*  
**Detail:** Created on 10.10.2011. Last modified on 10.10.2011.  
**GUID:** {993FA127-4B7F-4c9c-8E4D-4E73F8C280C0}

### sink registration

**Type:** InteractionFragment  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** events\_SinkRegistration *Keywords:*  
**Detail:** Created on 10.10.2011. Last modified on 10.10.2011.  
**GUID:** {D4D6FC47-B1F6-4f17-B328-FB78E8A0D67F}



## events\_SinkDeregistration

**Type:** Package  
**Status:** Reworked. Version 1.0. Phase 1.0.  
**Package:** System Events  
**Detail:** Created on 13.09.2011. Last modified on 11.10.2011  
**GUID:** {D32F6CC1-24A6-4368-9A48-091EBA1538AD}

### events\_SinkDeregistration - (Interaction diagram)

**Created By:** christian on 13.09.2011  
**Last Modified:** 11.10.2011  
**Version:** 1.0. **Locked:** False  
**GUID:** {106DE032-11C9-4ead-9865-4BC4C6B015E5}

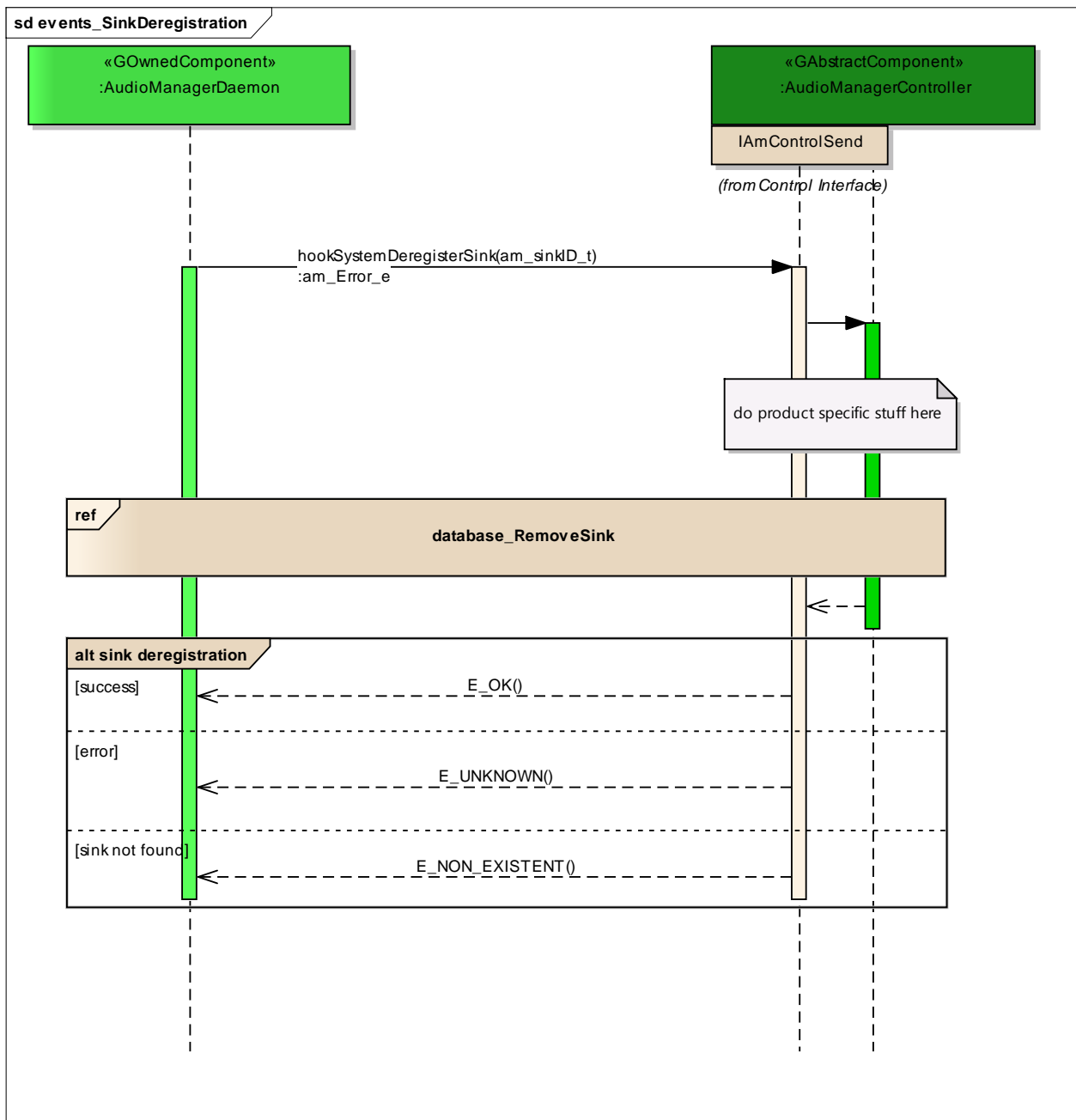


Figure: 97

### **database\_RemoveSink**

*Type:* **InteractionOccurrence**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* events\_SinkDeregistration *Keywords:*  
*Detail:* Created on 10.10.2011. Last modified on 10.10.2011.  
*GUID:* {D5171584-7D09-4f6e-86D1-63C008541076}

### **sink deregistration**

*Type:* **InteractionFragment**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* events\_SinkDeregistration *Keywords:*  
*Detail:* Created on 10.10.2011. Last modified on 10.10.2011.  
*GUID:* {DADB8E0D-A637-44a3-ADBC-26847F0F3989}

### **events\_SourceRegistration**

*Type:* **Package**  
*Status:* Reworked. Version 1.0. Phase 1.0.  
*Package:* System Events  
*Detail:* Created on 22.08.2011. Last modified on 11.10.2011  
*GUID:* {40186ABC-0DCF-40ee-BAE7-AAEAEF19FA9A}

#### **events\_SourceRegistration** - (Interaction diagram)

*Created By:* christian on 22.08.2011  
*Last Modified:* 11.10.2011  
*Version:* 1.0. *Locked:* False  
*GUID:* {21ED773A-488C-4537-89DF-68CA2125E166}

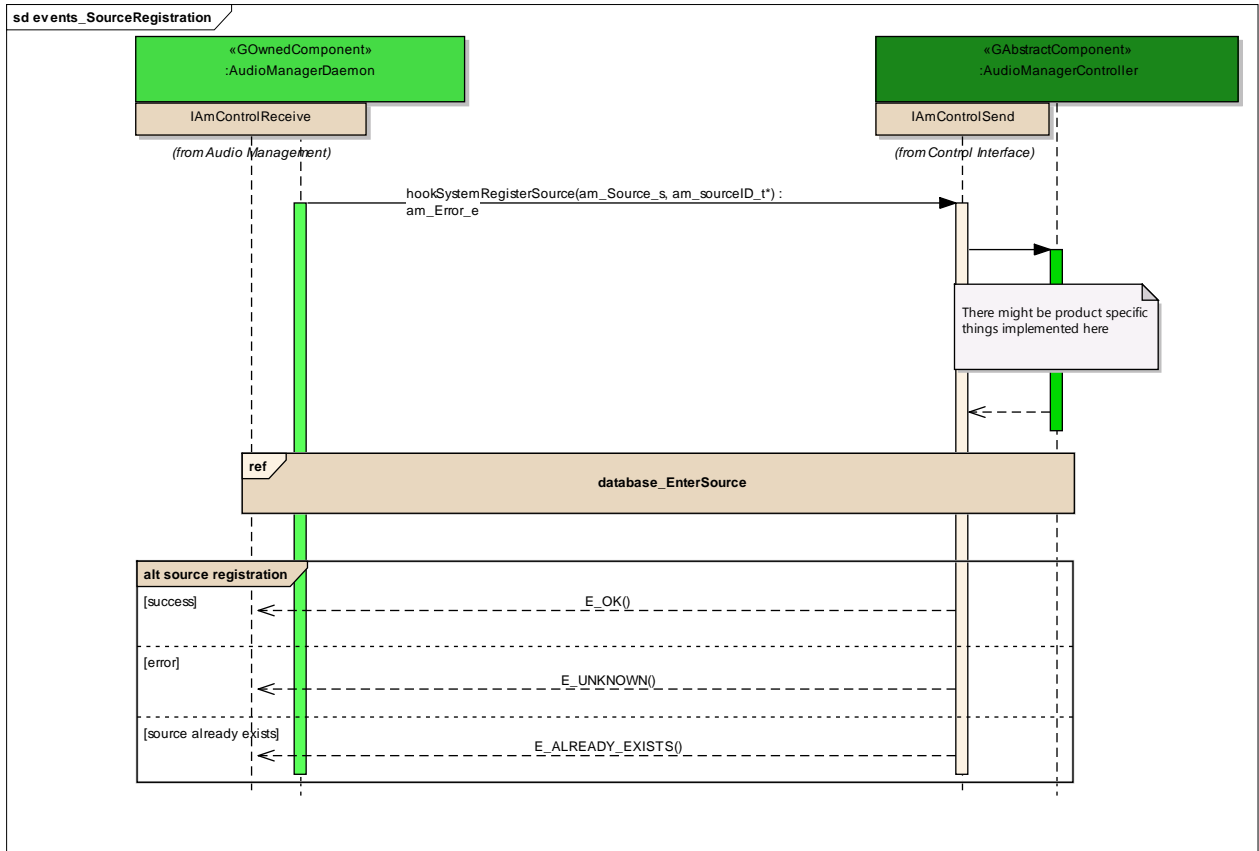


Figure: 98

### database\_EnterSource

**Type:** InteractionOccurrence  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** events\_SourceRegistration *Keywords:*  
**Detail:** Created on 10.10.2011. Last modified on 10.10.2011.  
**GUID:** {DF50F026-A92D-4f4f-8B05-571F2AA9270F}

### source registration

**Type:** InteractionFragment  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** events\_SourceRegistration *Keywords:*  
**Detail:** Created on 10.10.2011. Last modified on 10.10.2011.  
**GUID:** {AFB5E6B9-1B90-4631-98F8-EC06E894C884}

## events\_SourceDeregistration

Type: **Package**  
 Status: Reworked. Version 1.0. Phase 1.0.  
 Package: System Events  
 Detail: Created on 13.09.2011. Last modified on 11.10.2011  
 GUID: {1B1D4155-C360-41d9-81B4-F261B100B9FA}

### events\_SourceDeregistration - (Interaction diagram)

Created By: christian on 13.09.2011  
 Last Modified: 11.10.2011  
 Version: 1.0. Locked: False  
 GUID: {910ADD16-9685-4e68-8681-B6117EBE95EE}

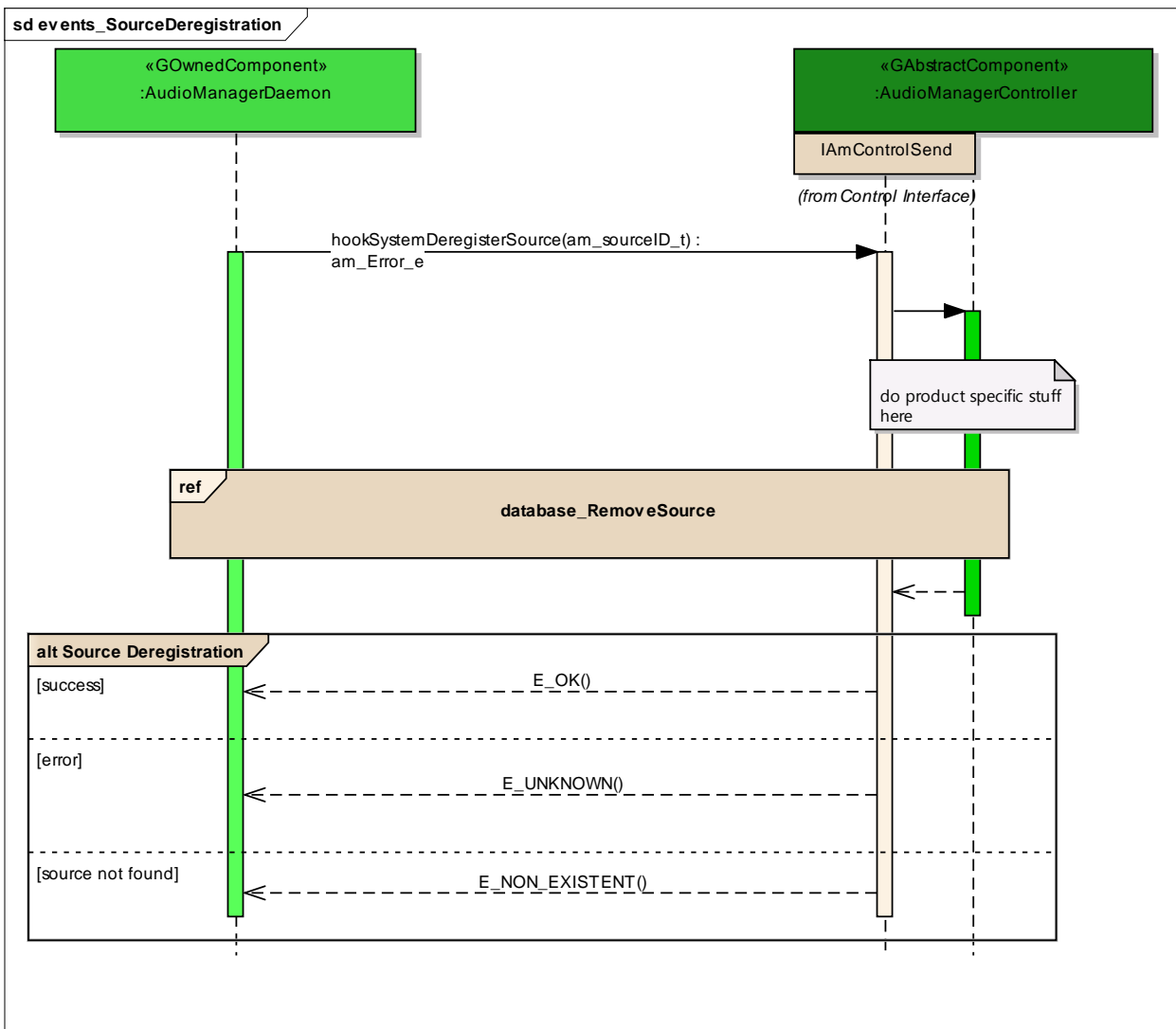


Figure: 99

## Source Deregistration

Type: **InteractionFragment**  
 Status: Proposed. Version 1.0. Phase 1.0.

*Package:* events\_SourceDeregistration *Keywords:*  
*Detail:* Created on 10.10.2011. Last modified on 10.10.2011.  
*GUID:* {937D4582-BD4A-436e-82F1-509667A18845}

### **database\_RemoveSource**

*Type:* **InteractionOccurrence**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* events\_SourceDeregistration *Keywords:*  
*Detail:* Created on 10.10.2011. Last modified on 10.10.2011.  
*GUID:* {27284530-0880-4d92-BE6C-14B7E8D40D8F}

### **events\_DomainRegistration**

*Type:* **Package**  
*Status:* Reworked. Version 1.0. Phase 1.0.  
*Package:* System Events  
*Detail:* Created on 19.08.2011. Last modified on 11.10.2011  
*GUID:* {863203EB-A5D5-4c09-9EEC-AF7ABE44648F}

#### **events\_DomainRegistration** - (Interaction diagram)

*Created By:* christian on 19.08.2011  
*Last Modified:* 11.10.2011  
*Version:* 1.0. *Locked:* False  
*GUID:* {C89198FC-734B-4429-87BA-3D082BD5C396}

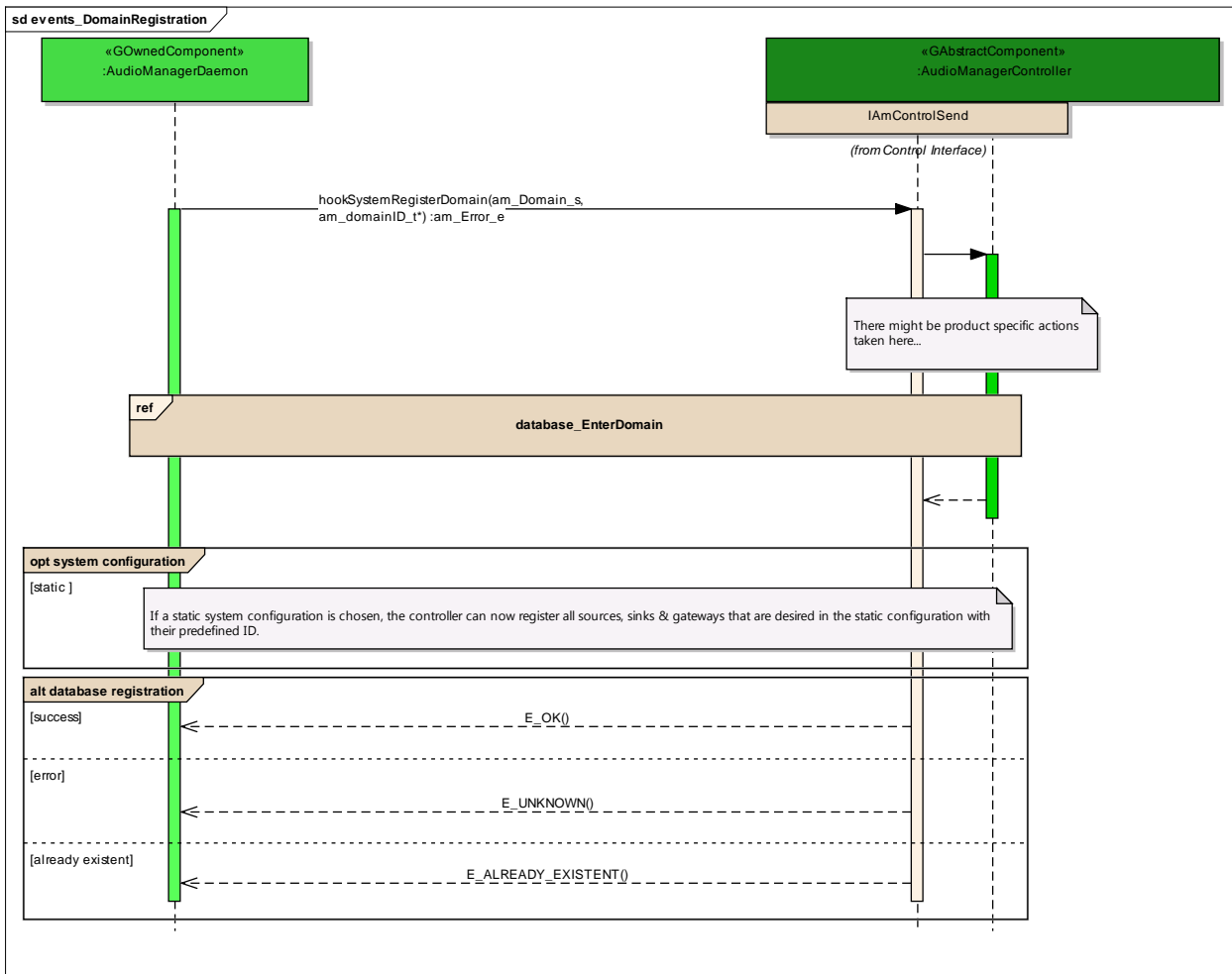


Figure: 100

### database registration

Type: **InteractionFragment**  
 Status: Proposed. Version 1.0. Phase 1.0.  
 Package: events\_DomainRegistration **Keywords:**  
 Detail: Created on 10.10.2011. Last modified on 10.10.2011.  
 GUID: {02E478A3-23B4-40f5-AD71-8E6133ABF408}

### database\_EnterDomain

Type: **InteractionOccurrence**  
 Status: Proposed. Version 1.0. Phase 1.0.  
 Package: events\_DomainRegistration **Keywords:**  
 Detail: Created on 10.10.2011. Last modified on 10.10.2011.  
 GUID: {3F223080-D96A-46e2-AA78-1519CA4D7E5F}

## ***product specific***

*Type:* **InteractionFragment**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* events\_DomainRegistration *Keywords:*  
*Detail:* Created on 19.08.2011. Last modified on 19.08.2011.  
*GUID:* {094370A2-BEC4-4248-8079-4809DAD6598F}

## ***system configuration***

*Type:* **InteractionFragment**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* events\_DomainRegistration *Keywords:*  
*Detail:* Created on 10.10.2011. Last modified on 10.10.2011.  
*GUID:* {B24C7B5B-3B81-4dae-821C-B8564F0CD4B3}

## **events\_DomainDeregistration**

*Type:* **Package**  
*Status:* Reworked. Version 1.0. Phase 1.0.  
*Package:* System Events  
*Detail:* Created on 13.09.2011. Last modified on 11.10.2011  
*GUID:* {AE4E8C93-05A2-413b-B956-28A45135776F}

### **events\_DomainDeregistration** - (Interaction diagram)

*Created By:* christian on 13.09.2011  
*Last Modified:* 13.10.2011  
*Version:* 1.0. *Locked:* False  
*GUID:* {A1E82F6A-1189-4e5f-A3E3-1ECD803072DC}

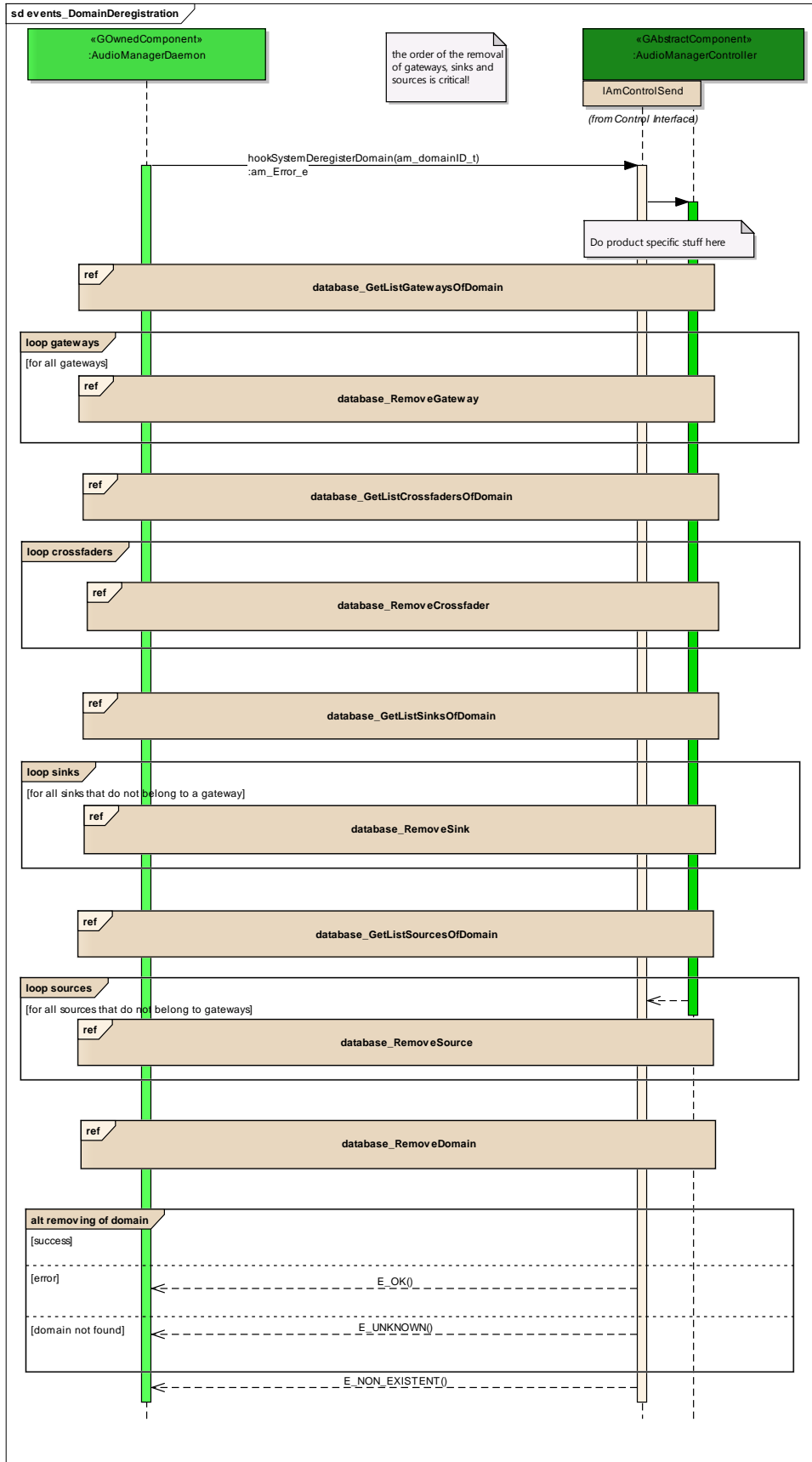


Figure: 101



## **crossfaders**

*Type:* **InteractionFragment**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* events\_DomainDeregistration *Keywords:*  
*Detail:* Created on 13.10.2011. Last modified on 13.10.2011.  
*GUID:* {22446648-F875-413f-A914-7793559EEFCC}

## **database\_GetListCrossfaders**

*Type:* **InteractionOccurrence**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* events\_DomainDeregistration *Keywords:*  
*Detail:* Created on 13.10.2011. Last modified on 13.10.2011.  
*GUID:* {94E46FF3-E61C-4512-8AD0-1EAFEF676DBE}

## **database\_GetListCrossfadersOfDomain**

*Type:* **InteractionOccurrence**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* events\_DomainDeregistration *Keywords:*  
*Detail:* Created on 13.10.2011. Last modified on 13.10.2011.  
*GUID:* {AE7354A4-9F13-4dab-84D4-D423E77472C4}

## **database\_GetListGatewaysOfDomain**

*Type:* **InteractionOccurrence**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* events\_DomainDeregistration *Keywords:*  
*Detail:* Created on 10.10.2011. Last modified on 10.10.2011.  
*GUID:* {B4387318-5B86-47da-BAB1-E68E82505351}

## **database\_GetListSinksOfDomain**

*Type:* **InteractionOccurrence**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* events\_DomainDeregistration *Keywords:*

*Detail:* Created on 10.10.2011. Last modified on 10.10.2011.  
*GUID:* {BFA8694C-B2CC-4472-A8F7-5DD8FD6E89EE}

### **database\_GetListSourcesOfDomain**

*Type:* **InteractionOccurrence**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* events\_DomainDeregistration *Keywords:*  
*Detail:* Created on 10.10.2011. Last modified on 10.10.2011.  
*GUID:* {2CE3AFE6-235B-42a9-AF5A-B1C67CD63507}

### **database\_RemoveCrossfader**

*Type:* **InteractionOccurrence**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* events\_DomainDeregistration *Keywords:*  
*Detail:* Created on 13.10.2011. Last modified on 13.10.2011.  
*GUID:* {B1E9664B-2445-4c19-B126-F4F90B022B2C}

### **database\_RemoveDomain**

*Type:* **InteractionOccurrence**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* events\_DomainDeregistration *Keywords:*  
*Detail:* Created on 10.10.2011. Last modified on 10.10.2011.  
*GUID:* {6536E99B-2889-467d-8729-B03B59E4FE16}

### **database\_RemoveGateway**

*Type:* **InteractionOccurrence**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* events\_DomainDeregistration *Keywords:*  
*Detail:* Created on 10.10.2011. Last modified on 10.10.2011.  
*GUID:* {74E1F413-5C60-4d0e-B930-E94D4281E661}

## database\_RemoveSink

*Type:* **InteractionOccurrence**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* events\_DomainDeregistration *Keywords:*  
*Detail:* Created on 10.10.2011. Last modified on 10.10.2011.  
*GUID:* {8D29CA39-C757-4f6c-B391-678FCE916360}

## database\_RemoveSource

*Type:* **InteractionOccurrence**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* events\_DomainDeregistration *Keywords:*  
*Detail:* Created on 10.10.2011. Last modified on 10.10.2011.  
*GUID:* {D59E9DE7-CD37-49af-8068-FCCFFEC25470}

## gateways

*Type:* **InteractionFragment**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* events\_DomainDeregistration *Keywords:*  
*Detail:* Created on 13.09.2011. Last modified on 13.09.2011.  
*GUID:* {39BB4E55-06F4-4293-BF03-DB7A668F19AB}

## removing of domain

*Type:* **InteractionFragment**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* events\_DomainDeregistration *Keywords:*  
*Detail:* Created on 10.10.2011. Last modified on 10.10.2011.  
*GUID:* {F231EFC8-8F5A-44f6-A579-8DB493C1AE52}

## sinks

*Type:* **InteractionFragment**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* events\_DomainDeregistration *Keywords:*  
*Detail:* Created on 13.09.2011. Last modified on 13.09.2011.  
*GUID:* {45FDC8C7-2714-4412-982D-04BE031AEE3D}

## **sources**

*Type:* **InteractionFragment**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* events\_DomainDeregistration *Keywords:*  
*Detail:* Created on 13.09.2011. Last modified on 13.09.2011.  
*GUID:* {A8B8F356-0FDC-43d4-9428-B4918BA8D3D6}

## **events\_GatewayRegistration**

*Type:* **Package**  
*Status:* Reworked. Version 1.0. Phase 1.0.  
*Package:* System Events  
*Detail:* Created on 22.08.2011. Last modified on 11.10.2011  
*GUID:* {425BE348-A8A7-439e-B2BF-F2EAF6A78A9A}

### **events\_GatewayRegistration** - (Interaction diagram)

*Created By:* christian on 22.08.2011  
*Last Modified:* 11.10.2011  
*Version:* 1.0. *Locked:* False  
*GUID:* {F99997B5-4258-4495-BCA3-F7F77752DE7}

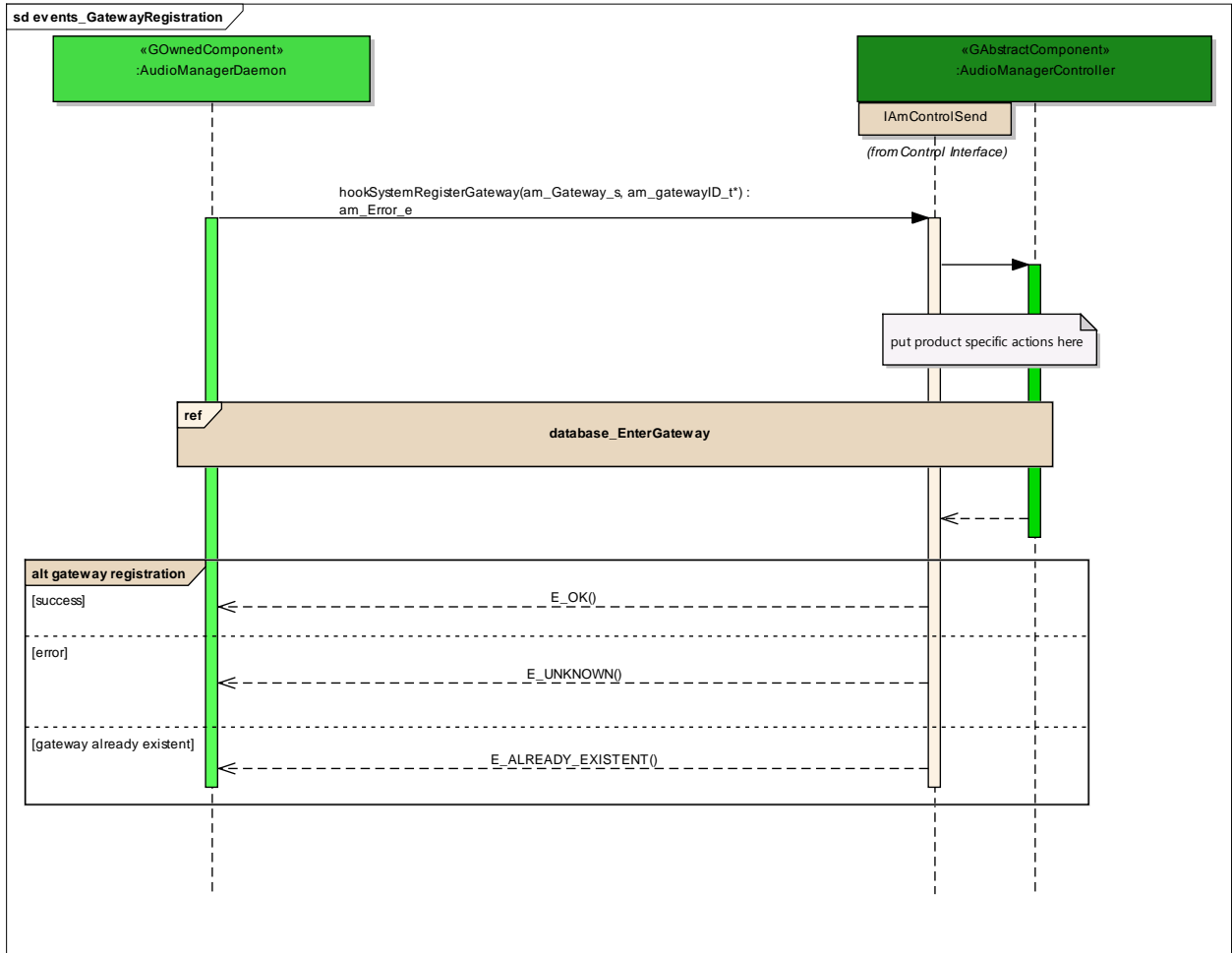


Figure: 102

### database\_EnterGateway

**Type:** InteractionOccurrence  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** events\_GatewayRegistration **Keywords:**  
**Detail:** Created on 10.10.2011. Last modified on 10.10.2011.  
**GUID:** {DA013B16-4FD6-4912-8DFB-3A066DA72CC2}

### gateway registration

**Type:** InteractionFragment  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** events\_GatewayRegistration **Keywords:**  
**Detail:** Created on 10.10.2011. Last modified on 10.10.2011.  
**GUID:** {0FC196B8-74D1-4d69-BF4F-6E6BAC5FC32E}

## events\_GatewayDeregistration

*Type:* **Package**  
*Status:* Reworked. Version 1.0. Phase 1.0.  
*Package:* System Events  
*Detail:* Created on 13.09.2011. Last modified on 11.10.2011  
*GUID:* {055C1585-6A43-49be-801F-A34DAEBBA7AD}

### events\_GatewayDeregistration - (Interaction diagram)

*Created By:* christian on 13.09.2011  
*Last Modified:* 12.10.2011  
*Version:* 1.0. *Locked:* False  
*GUID:* {52F4BCEB-7F02-4fc2-95CE-110519892523}

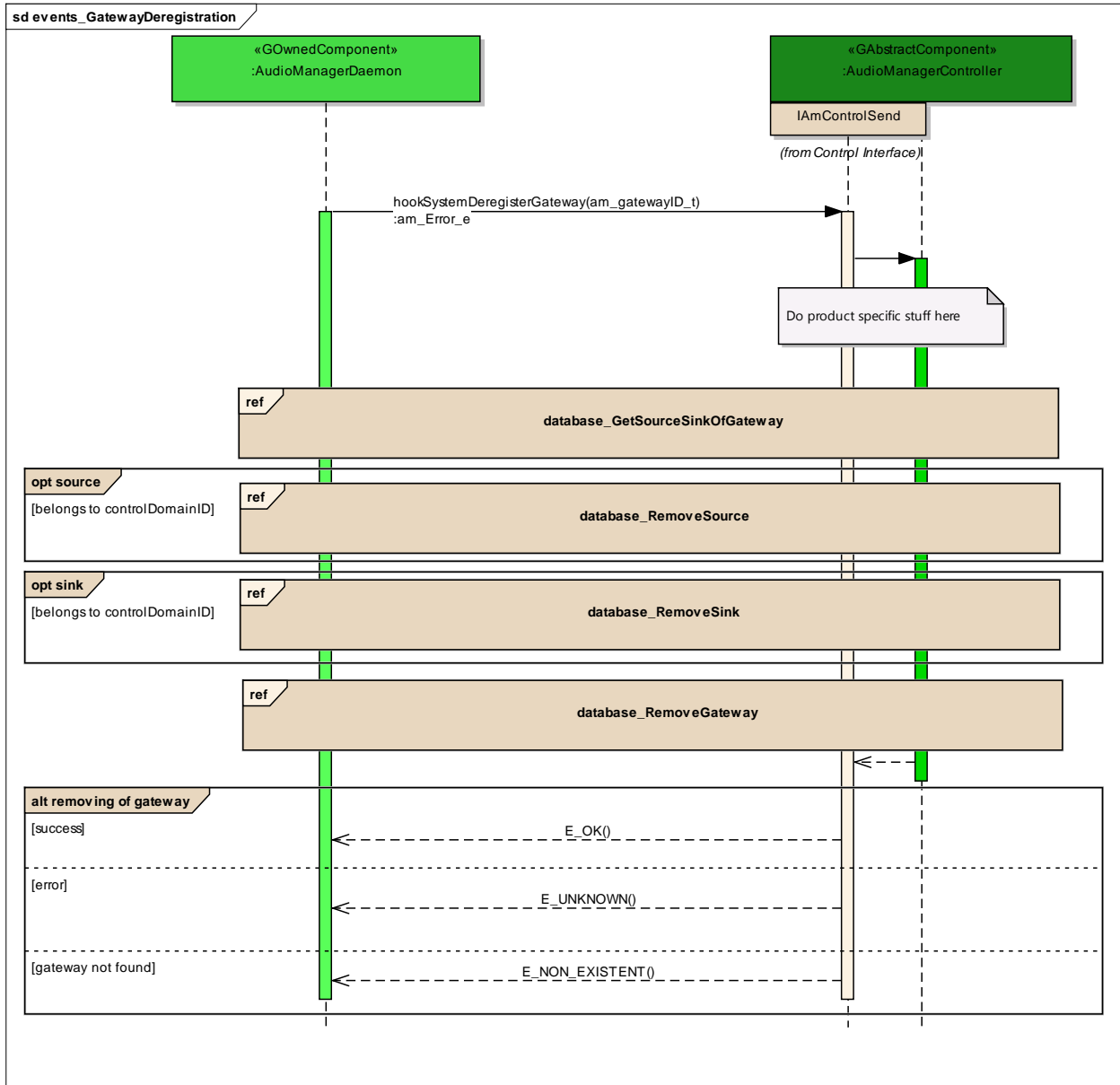


Figure: 103

### database\_GetSourceSinkOfGateway

**Type:** InteractionOccurrence  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** events\_GatewayDeregistration **Keywords:**  
**Detail:** Created on 10.10.2011. Last modified on 10.10.2011.  
**GUID:** {C98ABA96-2DA9-455a-8DB4-C0F7E5269638}

## database\_RemoveGateway

*Type:* **InteractionOccurrence**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* events\_GatewayDeregistration *Keywords:*  
*Detail:* Created on 10.10.2011. Last modified on 10.10.2011.  
*GUID:* {0D9C98AF-0573-434e-9EFB-D9BED986D501}

## database\_RemoveSink

*Type:* **InteractionOccurrence**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* events\_GatewayDeregistration *Keywords:*  
*Detail:* Created on 10.10.2011. Last modified on 10.10.2011.  
*GUID:* {632D8EB0-F825-4bb2-A773-D3FE41C57F00}

## database\_RemoveSource

*Type:* **InteractionOccurrence**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* events\_GatewayDeregistration *Keywords:*  
*Detail:* Created on 10.10.2011. Last modified on 10.10.2011.  
*GUID:* {66ECA4E4-F9BD-4c5b-B906-B60002334400}

## removing of gateway

*Type:* **InteractionFragment**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* events\_GatewayDeregistration *Keywords:*  
*Detail:* Created on 10.10.2011. Last modified on 10.10.2011.  
*GUID:* {72DE5127-A4CB-4bb9-A2E9-83D06263F597}

## sink

*Type:* **InteractionFragment**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* events\_GatewayDeregistration *Keywords:*  
*Detail:* Created on 11.10.2011. Last modified on 11.10.2011.  
*GUID:* {07D97FA1-79F7-42e1-AA71-91A43A6EBF8A}



## source

*Type:* **InteractionFragment**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* events\_GatewayDeregistration *Keywords:*  
*Detail:* Created on 11.10.2011. Last modified on 11.10.2011.  
*GUID:* {BF574A3D-9604-44c5-8B23-DD5EDA34A1E1}

## events\_CrossfaderRegistration

*Type:* **Package**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* System Events  
*Detail:* Created on 12.10.2011. Last modified on 12.10.2011  
*GUID:* {AA4FE49D-C60D-4d3a-B403-912D7C1D7A92}

### **events\_CrossfaderRegistration** - (Interaction diagram)

*Created By:* christian on 12.10.2011  
*Last Modified:* 12.10.2011  
*Version:* 1.0. *Locked:* False  
*GUID:* {84B47D16-4CE4-4f69-B003-293CECB52728}

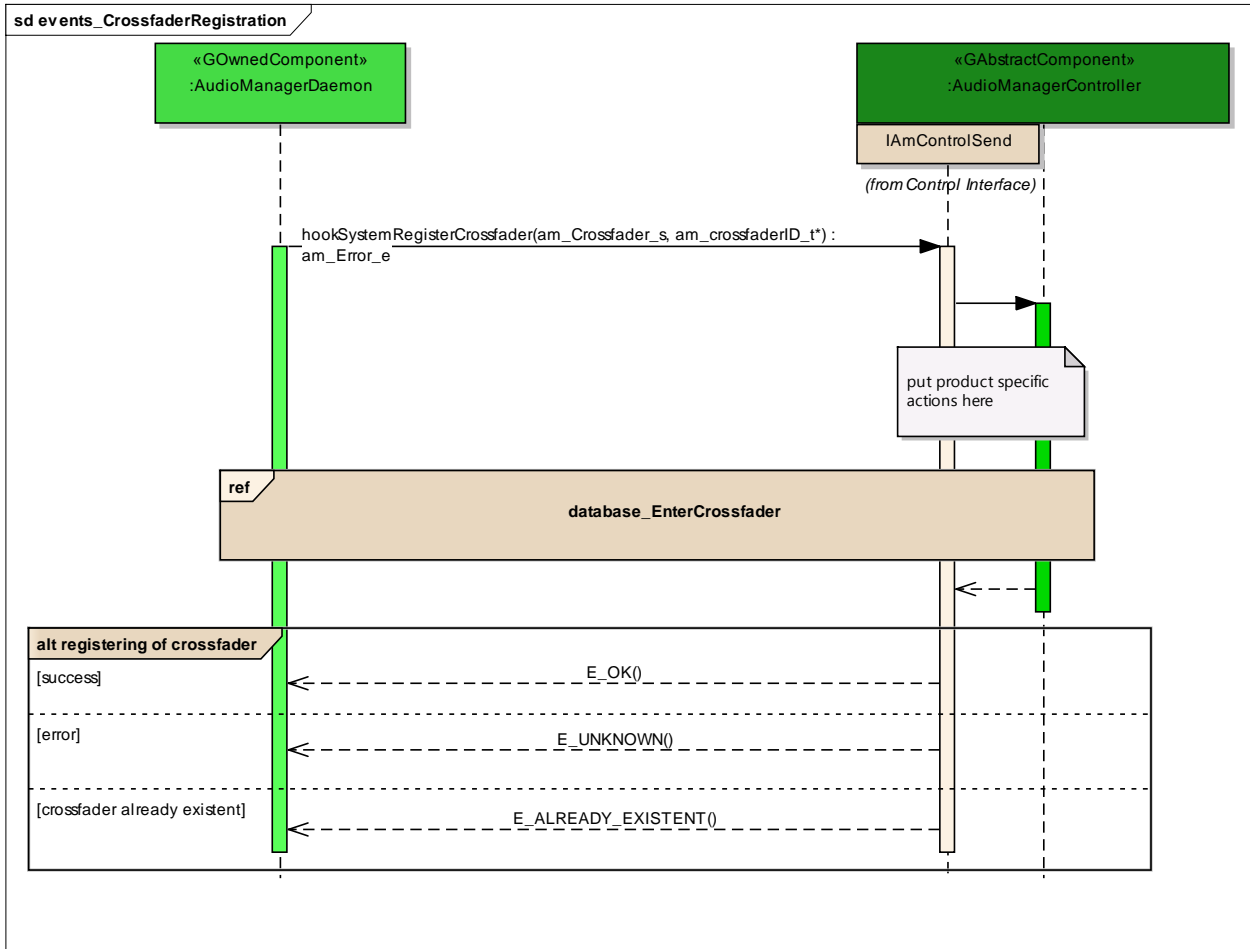


Figure: 104

### database\_EnterCrossfader

Type: **InteractionOccurrence**  
 Status: Proposed. Version 1.0. Phase 1.0.  
 Package: events\_CrossfaderRegistration **Keywords:**  
 Detail: Created on 12.10.2011. Last modified on 12.10.2011.  
 GUID: {341DF38E-9255-43b8-B22B-36EEAFF983CB}

### registering of crossfader

Type: **InteractionFragment**  
 Status: Proposed. Version 1.0. Phase 1.0.  
 Package: events\_CrossfaderRegistration **Keywords:**  
 Detail: Created on 12.10.2011. Last modified on 12.10.2011.  
 GUID: {6E2D2E19-73F9-4fef-97F0-7CADD80BBDD}

## events\_CrossfaderDeregistration

*Type:* **Package**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* System Events  
*Detail:* Created on 12.10.2011. Last modified on 12.10.2011  
*GUID:* {7443B725-1C3A-4094-9EE3-A09875D2BA2D}

### **events\_CrossfaderDeregistration** - (Interaction diagram)

*Created By:* christian on 12.10.2011  
*Last Modified:* 12.10.2011  
*Version:* 1.0. *Locked:* False  
*GUID:* {C1263C19-9D59-42d2-B63D-1DA82A8D036A}

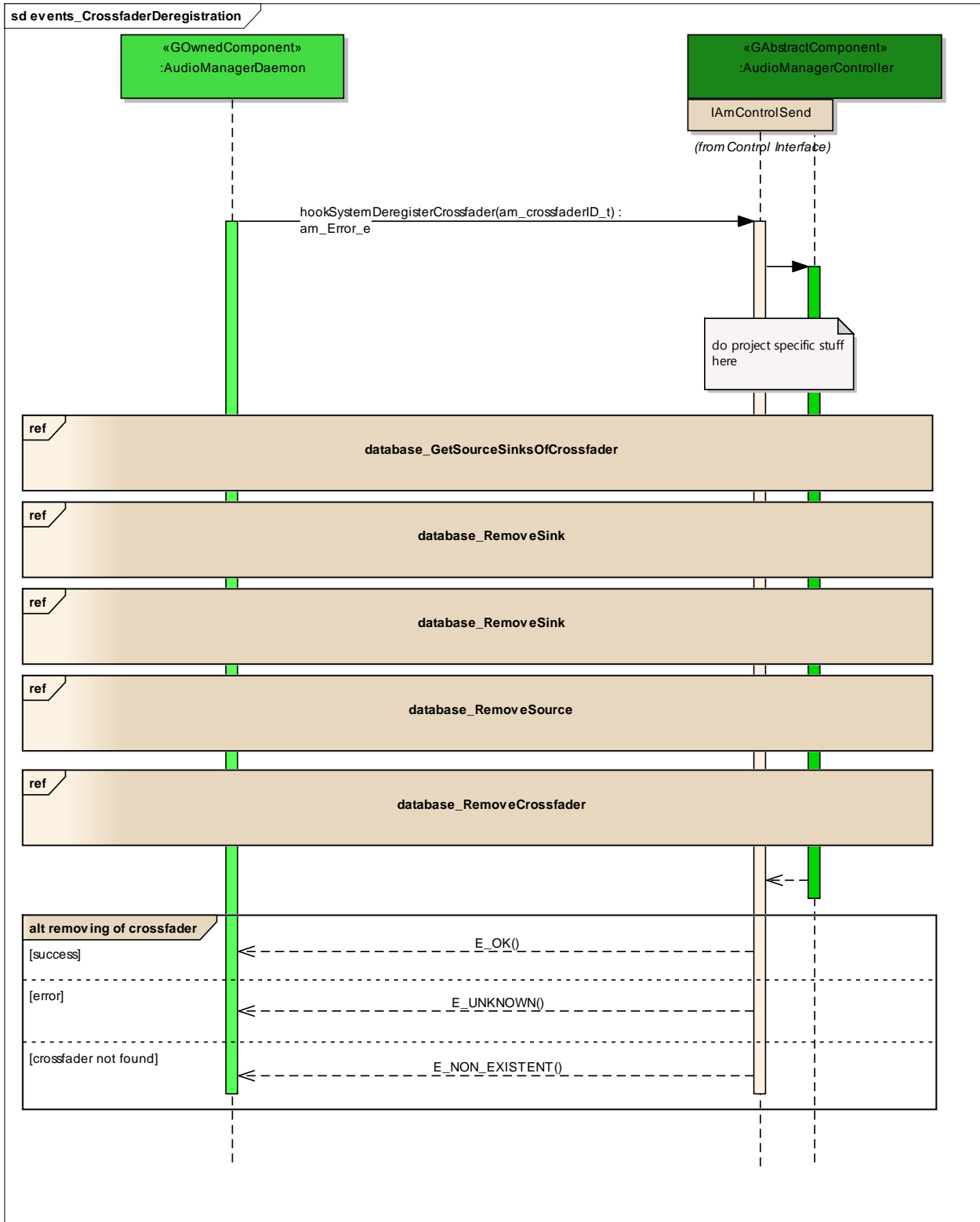


Figure: 105

**database\_GetSourceSinksOfCrossfader**

Type: InteractionOccurrence

*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* events\_CrossfaderDeregistration *Keywords:*  
*Detail:* Created on 12.10.2011. Last modified on 12.10.2011.  
*GUID:* {BC0FE970-B43B-4aff-9EE4-EB01F9B9EF24}

### **database\_RemoveCrossfader**

*Type:* **InteractionOccurrence**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* events\_CrossfaderDeregistration *Keywords:*  
*Detail:* Created on 12.10.2011. Last modified on 12.10.2011.  
*GUID:* {AAAC861B-297C-47a2-A990-4196C9AAABCE}

### **database\_RemoveSink**

*Type:* **InteractionOccurrence**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* events\_CrossfaderDeregistration *Keywords:*  
*Detail:* Created on 12.10.2011. Last modified on 12.10.2011.  
*GUID:* {B3285ECF-6C1D-48d7-B2CD-4B7D78C203F2}

### **database\_RemoveSink**

*Type:* **InteractionOccurrence**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* events\_CrossfaderDeregistration *Keywords:*  
*Detail:* Created on 12.10.2011. Last modified on 12.10.2011.  
*GUID:* {44EE5AAA-9A20-419d-94CC-70328BA09263}

### **database\_RemoveSource**

*Type:* **InteractionOccurrence**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* events\_CrossfaderDeregistration *Keywords:*  
*Detail:* Created on 12.10.2011. Last modified on 12.10.2011.  
*GUID:* {05A39DC5-6EB4-41d0-83CB-F1CF2D73998E}

## removing of crossfader

**Type:** InteractionFragment  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** events\_CrossfaderDeregistration *Keywords:*  
**Detail:** Created on 12.10.2011. Last modified on 12.10.2011.  
**GUID:** {E0CFF33A-0C41-4be5-88F0-5C5864E88BB8}

## events\_TimingInformationChanged

**Type:** Package  
**Status:** Reworked. Version 1.0. Phase 1.0.  
**Package:** System Events  
**Detail:** Created on 23.09.2011. Last modified on 11.10.2011  
**GUID:** {5EBFD294-B464-434b-9822-6D9A338FC168}

### events\_TimingInformationChanged - (Interaction diagram)

**Created By:** christian on 23.09.2011  
**Last Modified:** 12.10.2011  
**Version:** 1.0. *Locked:* False  
**GUID:** {18C60FF9-809B-41be-834F-FDB8ED263B1F}



Figure: 106

## events\_ReceiveChangedData

**Type:** Package  
**Status:** Reworked. Version 1.0. Phase 1.0.

*Package:* System Events  
*Detail:* Created on 21.09.2011. Last modified on 11.10.2011  
*GUID:* {07256723-058F-4296-BEBD-11DC7BB5084C}

### **events ReceiveChangedData** - (Interaction diagram)

*Created By:* christian on 21.09.2011  
*Last Modified:* 12.10.2011  
*Version:* 1.0. *Locked:* False  
*GUID:* {2233B6E8-251D-4978-A00C-04850BABC7D5}

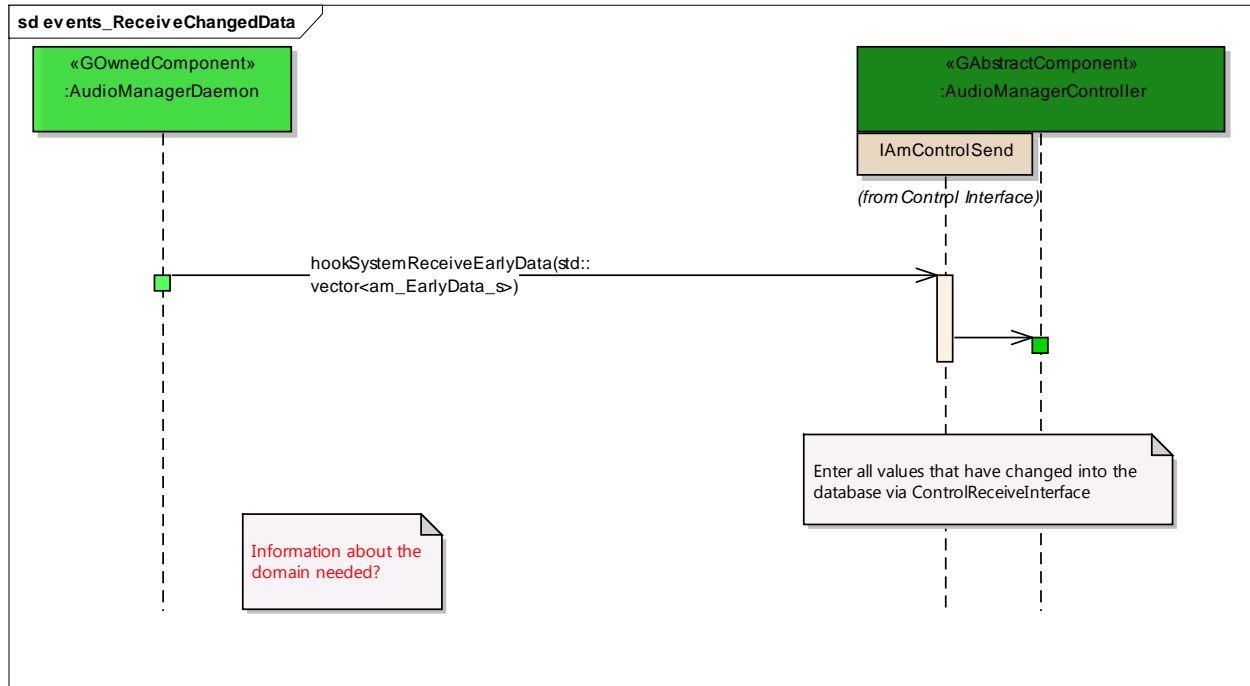


Figure: 107

### **product specific**

*Type:* **InteractionFragment**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* events\_ReceiveChangedData *Keywords:*  
*Detail:* Created on 21.09.2011. Last modified on 21.09.2011.  
*GUID:* {FEFCE9C7-E3A0-48e1-86E6-EA46F3E4B10A}

### **events\_LowLevelInterruptStateChange**

*Type:* **Package**  
*Status:* Reworked. Version 1.0. Phase 1.0.  
*Package:* System Events  
*Detail:* Created on 09.09.2011. Last modified on 11.10.2011

**GUID:** {CDB303B6-DBFF-4c52-8979-1A93E5F4CB40}

**events LowLevelInterruptStateChange** - (Interaction diagram)

**Created By:** christian on 09.09.2011  
**Last Modified:** 12.10.2011  
**Version:** 1.0. *Locked:* False  
**GUID:** {C81D22AF-4206-485e-A149-CB19DE3E77D7}

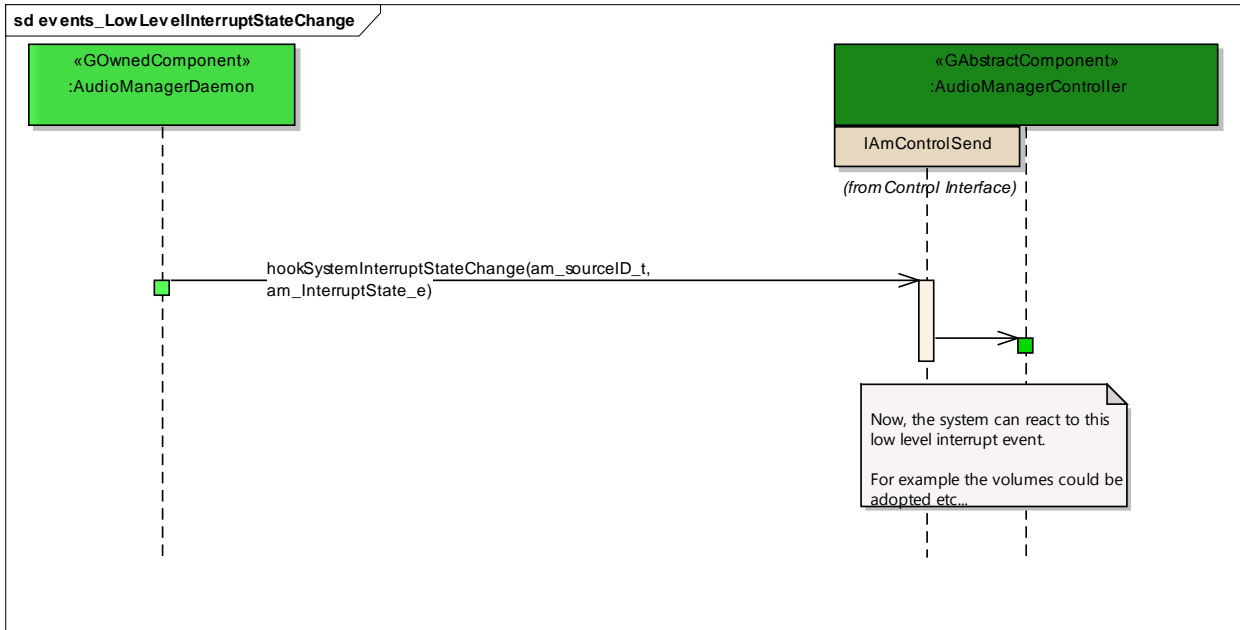


Figure: 108

**events\_SourceDataUpdate**

**Type:** Package  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** System Events  
**Detail:** Created on 28.06.2012. Last modified on 28.06.2012  
**GUID:** {F998D4F9-918A-4472-81E1-C370318B176E}

**events SourceDataUpdate** - (Interaction diagram)

**Created By:** q232968 on 28.06.2012  
**Last Modified:** 27.11.2012  
**Version:** 1.0. *Locked:* False  
**GUID:** {C97F7E00-A201-4ef6-BF8A-DCA6B7AD049C}



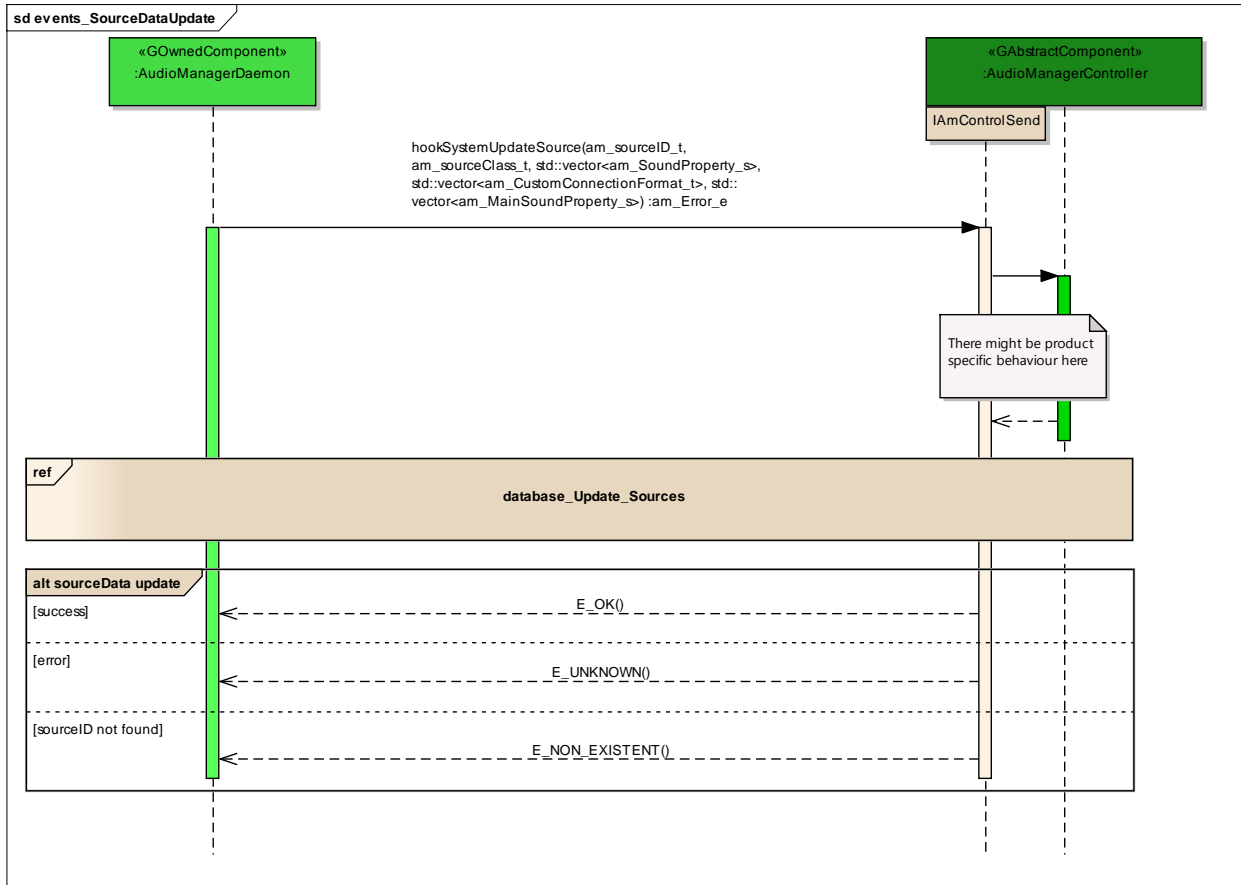


Figure: 109

### database\_Update\_Sources

Type: **InteractionOccurrence**  
 Status: Proposed. Version 1.0. Phase 1.0.  
 Package: events\_SourceDataUpdate **Keywords:**  
 Detail: Created on 28.06.2012. Last modified on 28.06.2012.  
 GUID: {85582B39-497F-4f19-99CA-0CDE3B07F128}

### sourceData update

Type: **InteractionFragment**  
 Status: Proposed. Version 1.0. Phase 1.0.  
 Package: events\_SourceDataUpdate **Keywords:**  
 Detail: Created on 28.06.2012. Last modified on 28.06.2012.  
 GUID: {8B6A12F8-3392-4c88-9F4F-3B5FDFBA37C3}

## events\_GatewayDataUpdate

**Type:** **Package**  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** System Events  
**Detail:** Created on 29.06.2012. Last modified on 29.06.2012  
**GUID:** {27A82473-DEC3-4fff-8B04-93BD7283EF2B}

### events\_GatewayDataUpdate - (Interaction diagram)

**Created By:** q232968 on 29.06.2012  
**Last Modified:** 28.11.2012  
**Version:** 1.0. **Locked:** False  
**GUID:** {D9C2509E-AA1A-44ab-AFD8-1A20A9F5F31A}

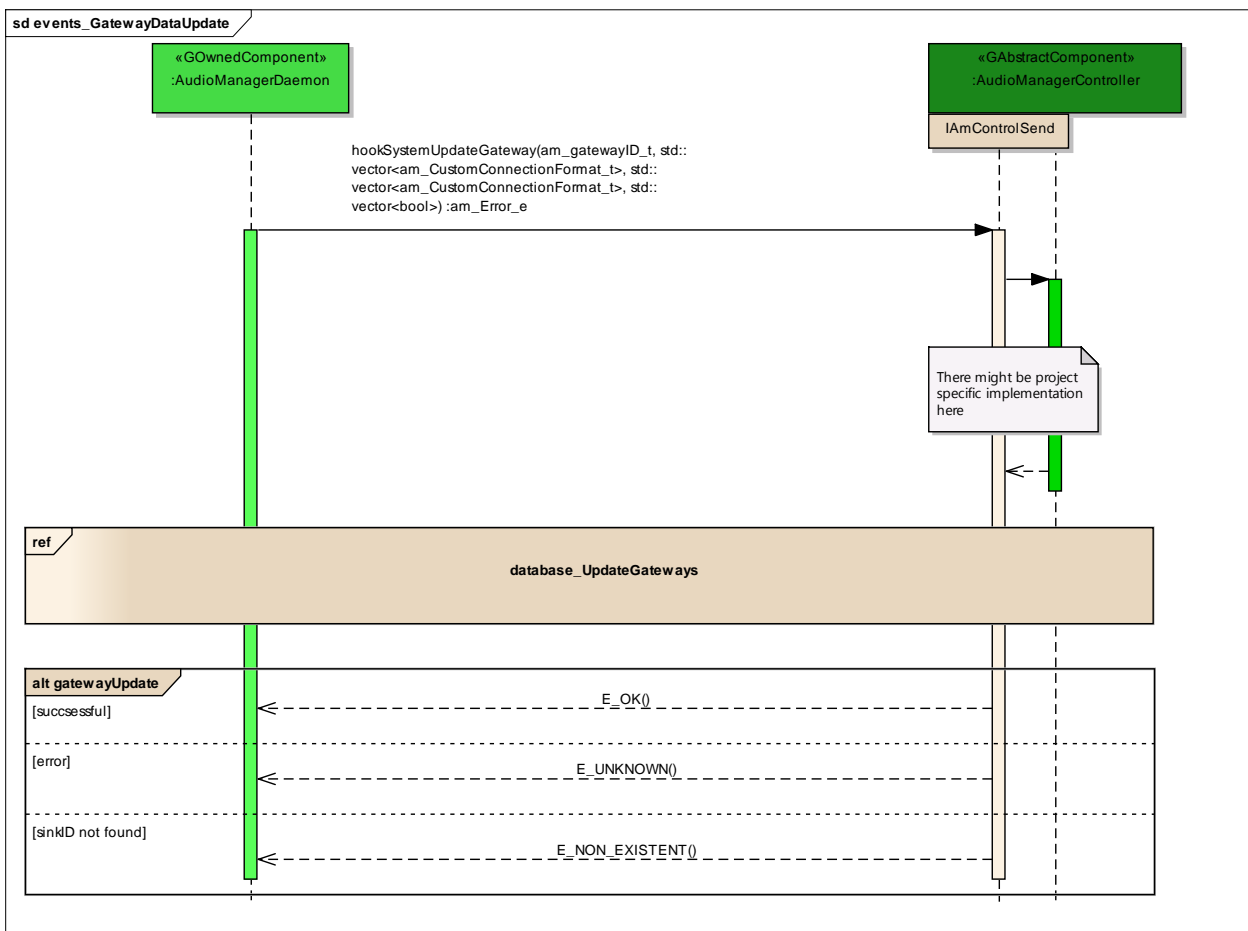


Figure: 110

## database\_UpdateGateways

**Type:** **InteractionOccurrence**  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** events\_GatewayDataUpdate **Keywords:**  
**Detail:** Created on 29.06.2012. Last modified on 29.06.2012.  
**GUID:** {66A40AC1-583D-4962-860B-2678F4E79856}

## **database\_UpdateSinks**

*Type:* **InteractionOccurrence**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* events\_GatewayDataUpdate *Keywords:*  
*Detail:* Created on 29.06.2012. Last modified on 29.06.2012.  
*GUID:* {3976EB83-4C7E-4efd-83C4-8FAC9FD93930}

## **gatewayUpdate**

*Type:* **InteractionFragment**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* events\_GatewayDataUpdate *Keywords:*  
*Detail:* Created on 29.06.2012. Last modified on 29.06.2012.  
*GUID:* {8DF9227F-72AE-489a-93C5-7BB325FB5EC7}

## **events\_SinkDataUpdate**

*Type:* **Package**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* System Events  
*Detail:* Created on 29.06.2012. Last modified on 29.06.2012  
*GUID:* {6D62ABB0-560F-48b9-8917-3D601CF05D2A}

### **events\_SinkDataUpdate** - (Interaction diagram)

*Created By:* q232968 on 29.06.2012  
*Last Modified:* 28.11.2012  
*Version:* 1.0. *Locked:* False  
*GUID:* {9BDB953A-8042-4a73-AC5D-26C26BA0F5E5}

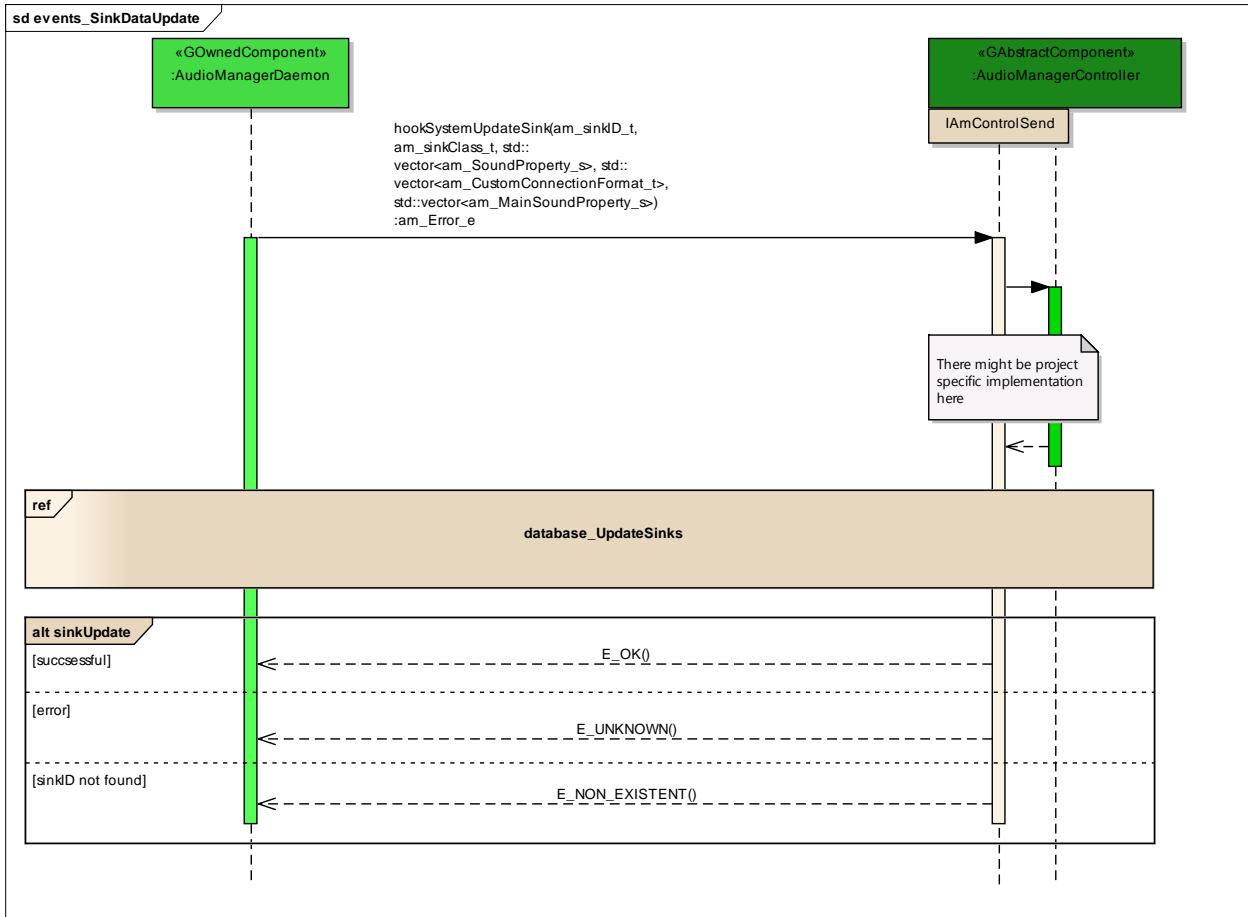


Figure: 111

### database\_UpdateSinks

Type: **InteractionOccurrence**  
 Status: Proposed. Version 1.0. Phase 1.0.  
 Package: events\_SinkDataUpdate **Keywords:**  
 Detail: Created on 29.06.2012. Last modified on 29.06.2012.  
 GUID: {7F1C314B-6689-4841-9B3A-CD89371B81C5}

### sinkUpdate

Type: **InteractionFragment**  
 Status: Proposed. Version 1.0. Phase 1.0.  
 Package: events\_SinkDataUpdate **Keywords:**  
 Detail: Created on 29.06.2012. Last modified on 29.06.2012.  
 GUID: {1AB25CF6-626A-414f-9F12-D7DE120902AD}

## NodeStateManagement

**Type:** Package  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** Control Interface  
**Detail:** Created on 28.01.2013. Last modified on 28.01.2013  
**GUID:** {54788D12-E1AC-44ab-BC4F-2D8B1B5E3400}  
 These sequences are optional. The NSM support can be switched off !

### NodeStateManagementRelations - (Class diagram)

**Created By:** q232968 on 31.01.2013  
**Last Modified:** 31.01.2013  
**Version:** 1.0. *Locked:* False  
**GUID:** {F7E39BD4-DD4C-4fde-8DB5-A945BCA63E0B}

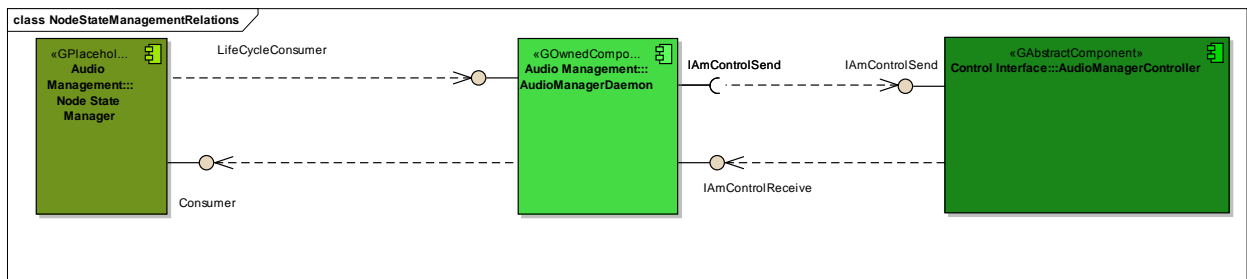


Figure: 112

### GetInterfaceVersion - (Interaction diagram)

**Created By:** q232968 on 28.01.2013  
**Last Modified:** 28.01.2013  
**Version:** 1.0. *Locked:* False  
**GUID:** {35C286C9-7838-483f-8B92-2B6199ABBBD9}

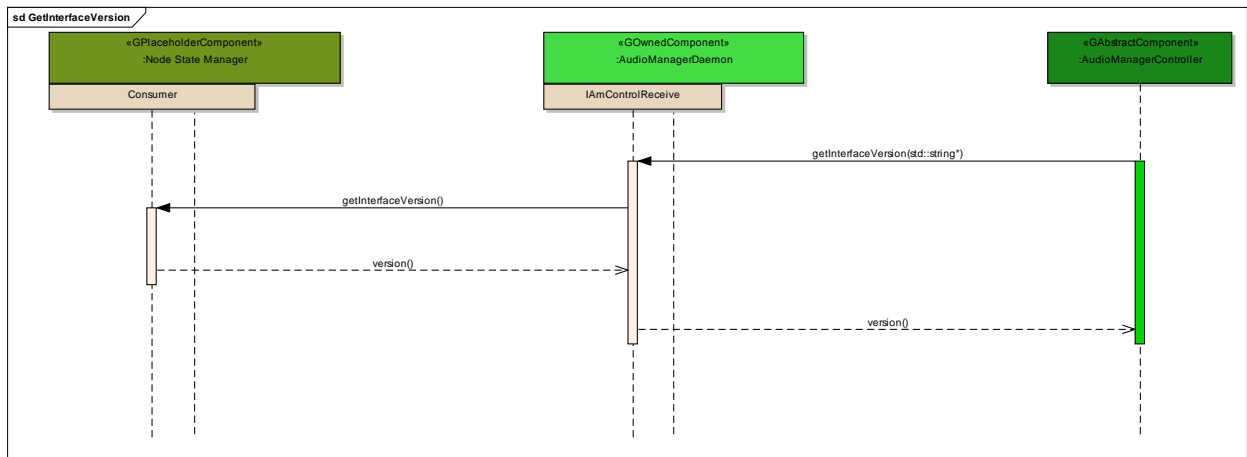


Figure: 113

### GetNodeState - (Interaction diagram)

**Created By:** q232968 on 28.01.2013

*Last Modified:* 28.01.2013  
*Version:* 1.0. *Locked:* False  
*GUID:* {2DC27AD8-52CE-455e-BD1E-FCAB37861BD9}

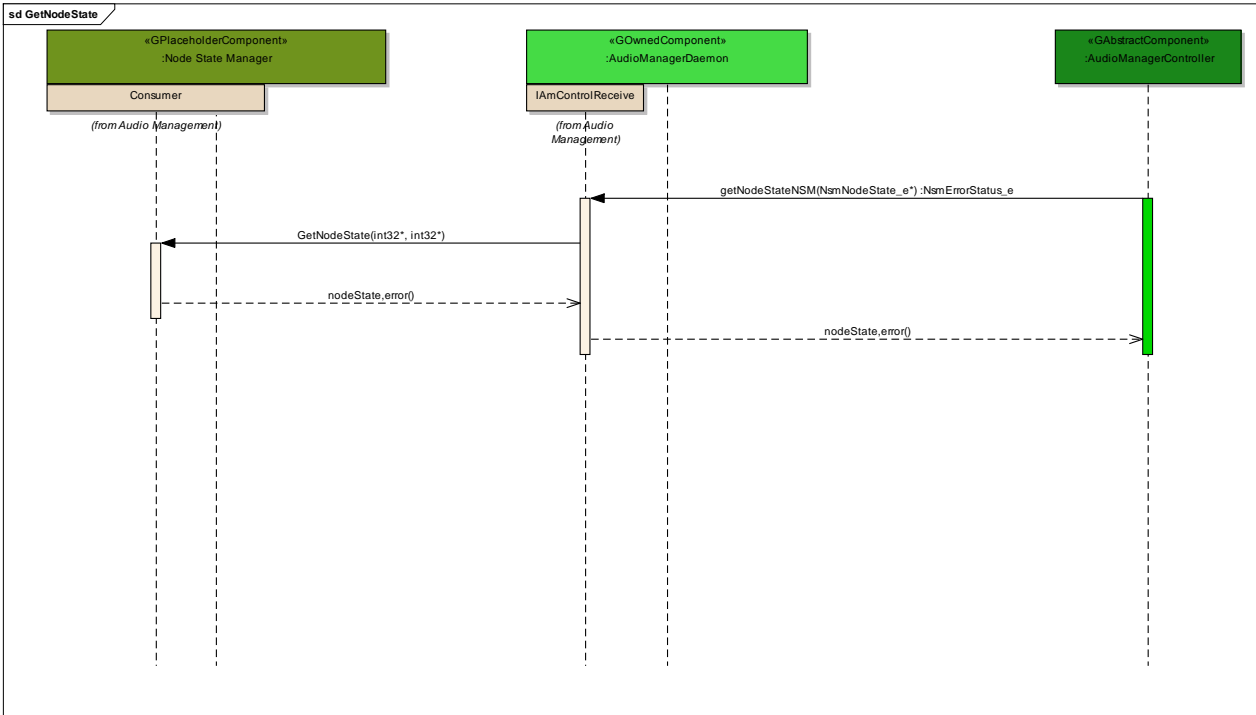


Figure: 114

**GetRestartReason** - (Interaction diagram)

*Created By:* q232968 on 28.01.2013  
*Last Modified:* 28.01.2013  
*Version:* 1.0. *Locked:* False  
*GUID:* {1F4A4DEC-C2B7-456e-94E7-0AA2CAF99252}

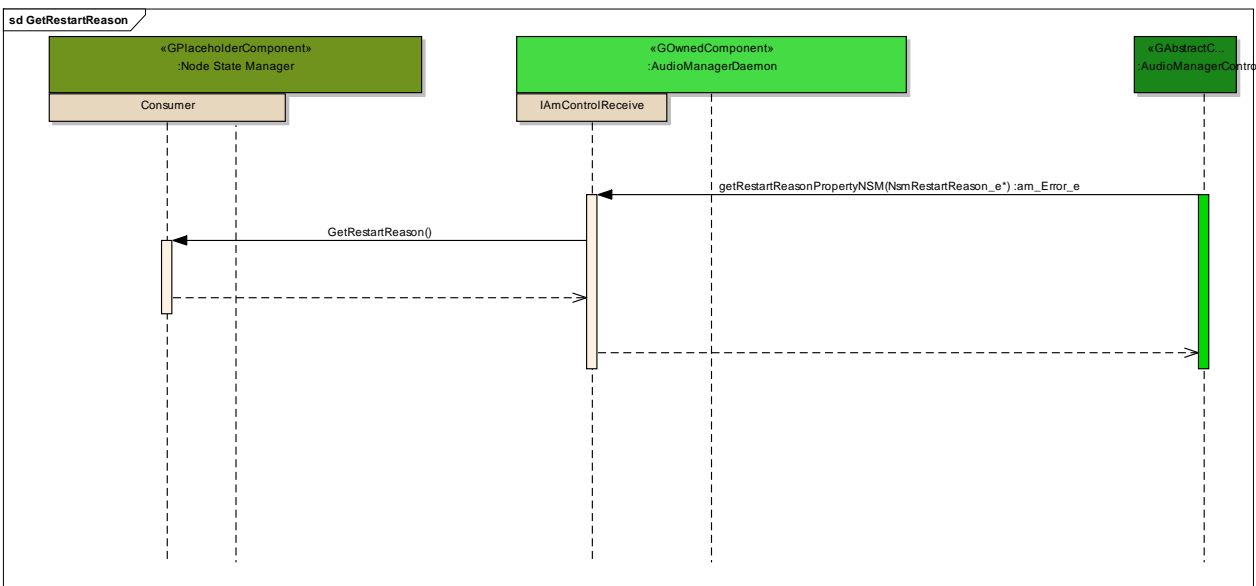


Figure: 115

**GetRunningReason** - (Interaction diagram)

Created By: q232968 on 28.01.2013

Last Modified: 28.01.2013

Version: 1.0. Locked: False

GUID: {8B220612-7981-462d-A3CD-BA0C1197956A}

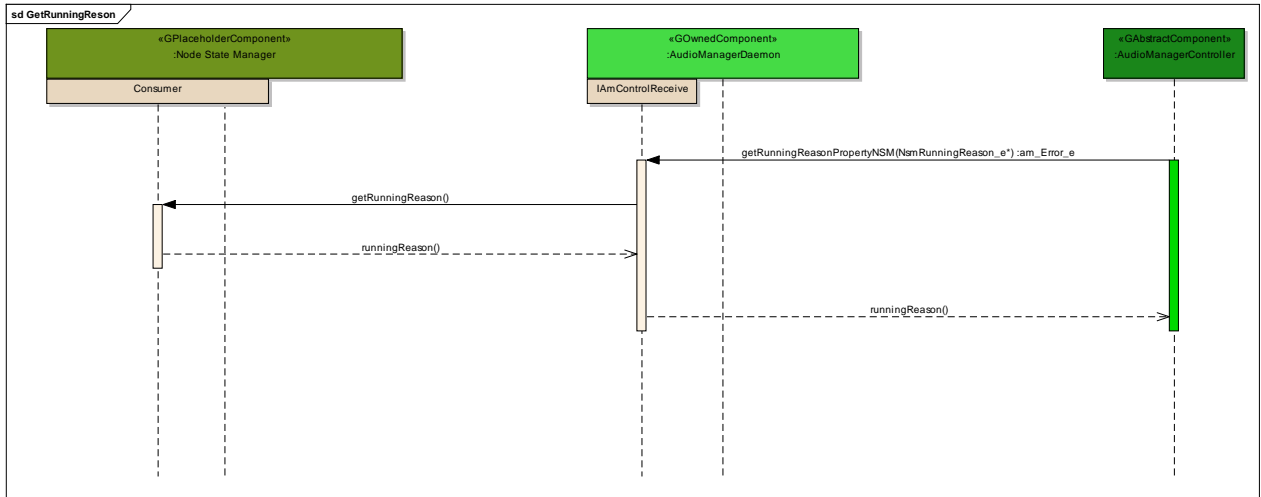


Figure: 116

**GetSessionState** - (Interaction diagram)

Created By: q232968 on 28.01.2013

Last Modified: 28.01.2013

Version: 1.0. Locked: False

GUID: {5D82D567-3F1D-4e78-A32A-9AE7C3ACD1E5}

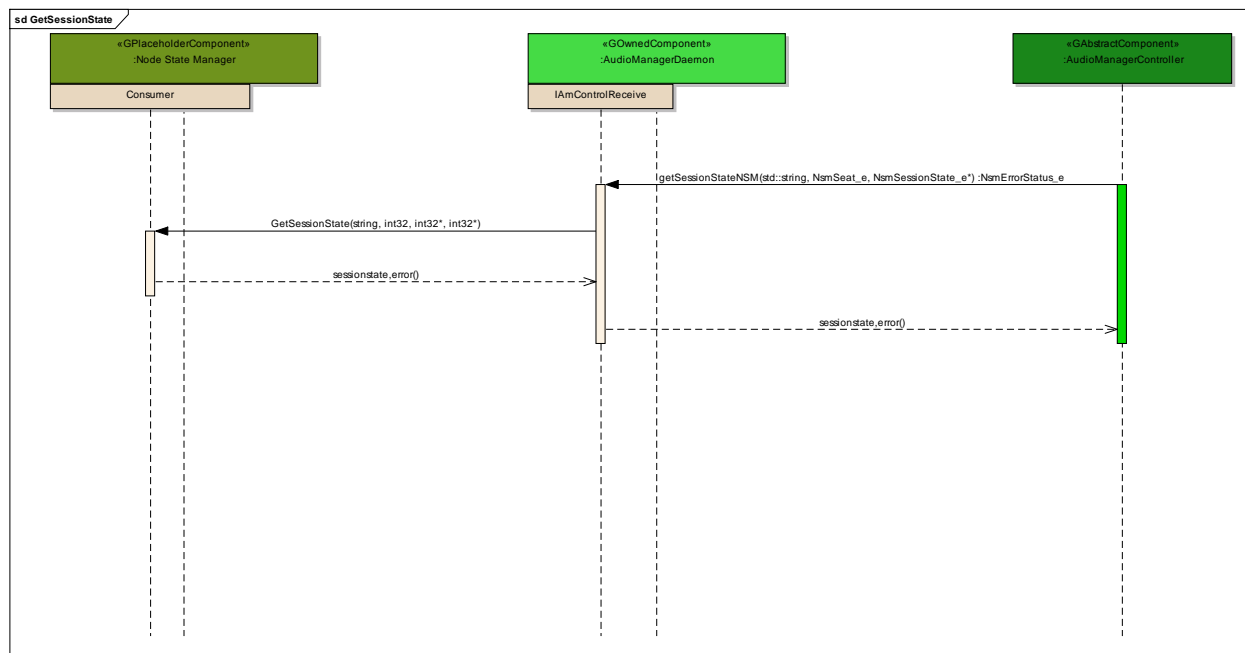


Figure: 117

**GetShutdownReason** - (Interaction diagram)

Created By: q232968 on 28.01.2013  
 Last Modified: 28.01.2013  
 Version: 1.0. Locked: False  
 GUID: {E0BDF9A7-304F-4852-B050-E128E2C4264F}

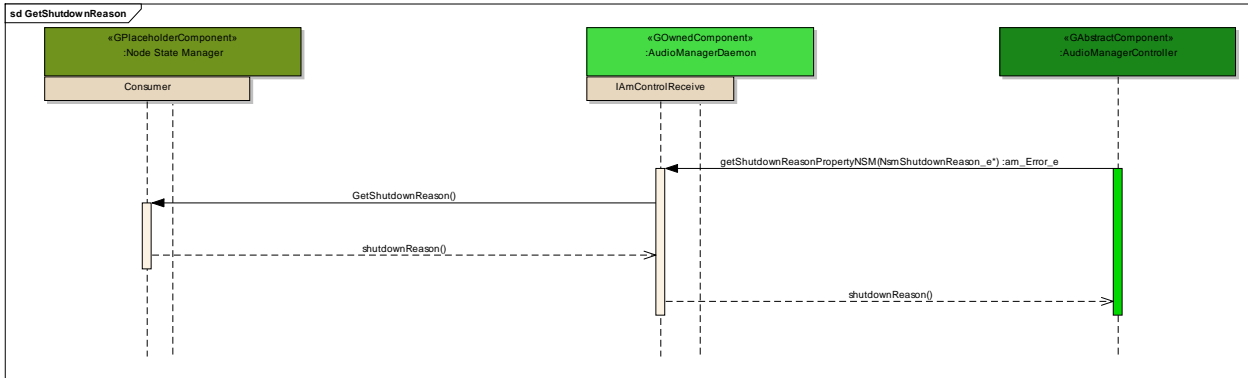


Figure: 118

**Lifecylerequest** - (Interaction diagram)

Created By: q232968 on 28.01.2013  
 Last Modified: 05.02.2013  
 Version: 1.0. Locked: False  
 GUID: {AA535FCF-5718-4b5d-B448-52A5D40BE9FE}

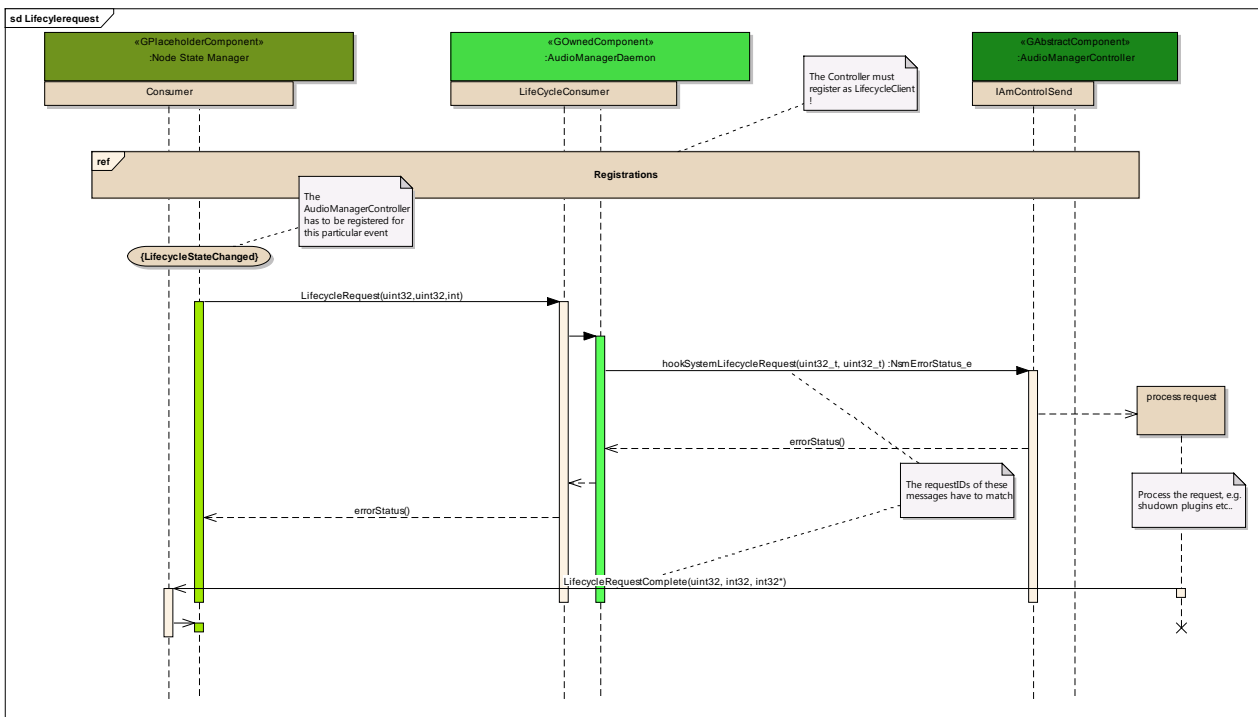


Figure: 119



**getApplicationMode** - (Interaction diagram)

Created By: q232968 on 28.01.2013  
 Last Modified: 28.01.2013  
 Version: 1.0. Locked: False  
 GUID: {85ABD946-C683-4f95-8D06-2DBB520D8FAE}

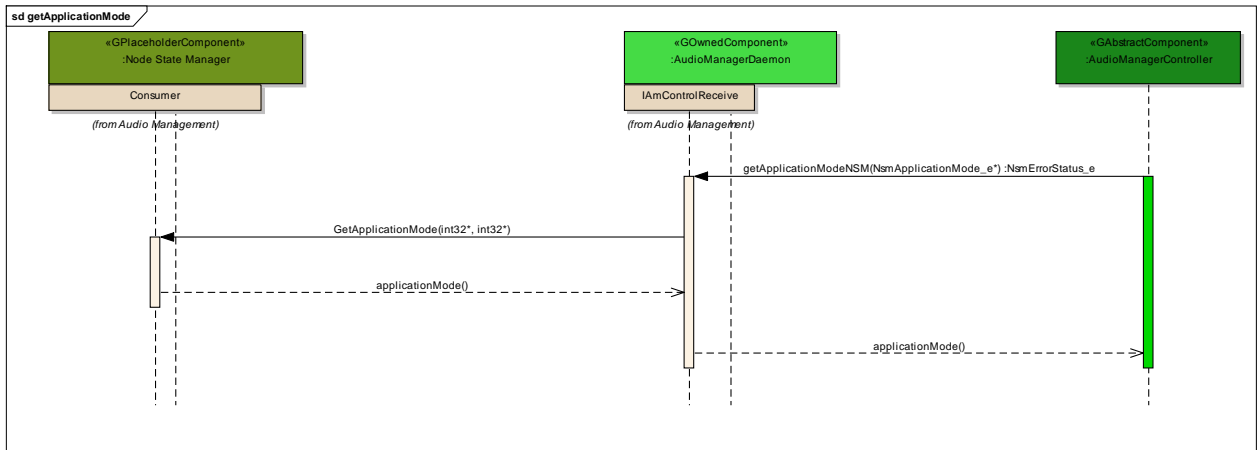


Figure: 120

**unregisterLifecycleConsumer** - (Interaction diagram)

Created By: q232968 on 28.01.2013  
 Last Modified: 28.01.2013  
 Version: 1.0. Locked: False  
 GUID: {902A1548-3F05-482c-A056-2DFD1DE95339}

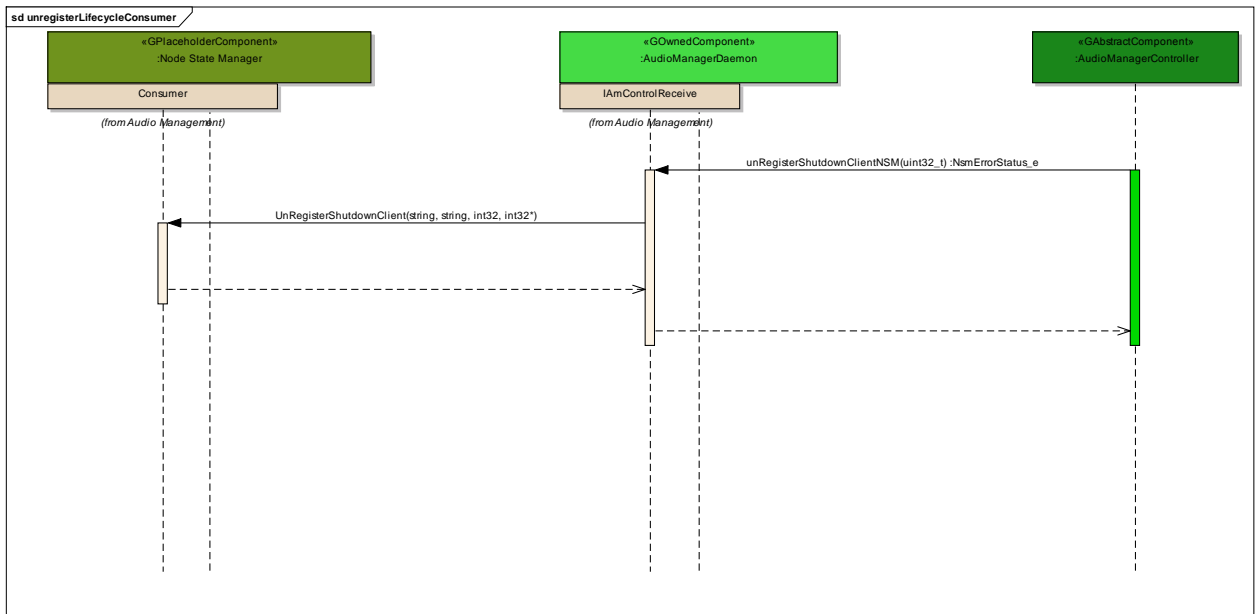


Figure: 121

**Registrations** - (Interaction diagram)

Created By: q232968 on 28.01.2013  
 Last Modified: 28.01.2013  
 Version: 1.0. Locked: False  
 GUID: {11351D31-D136-4ea4-9FC8-167B57E9AFEE}

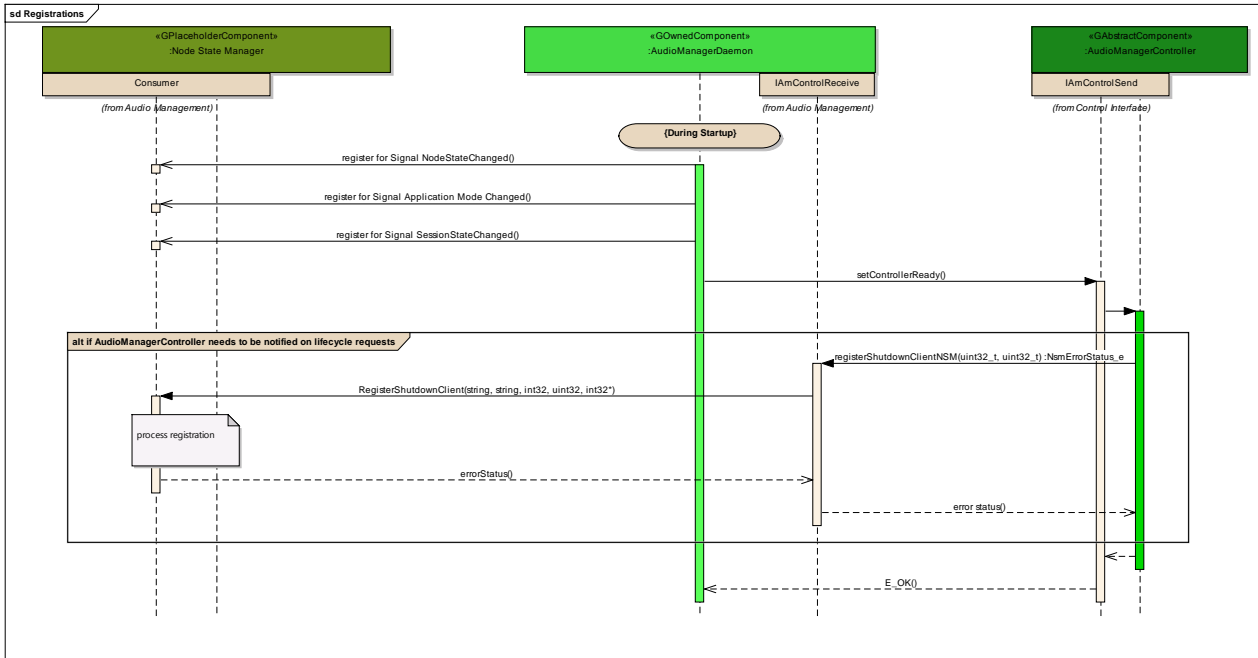


Figure: 122

**SessionStateChange** - (Interaction diagram)

Created By: q232968 on 28.01.2013  
 Last Modified: 28.01.2013  
 Version: 1.0. Locked: False  
 GUID: {F63701AD-E13F-497d-BF20-D7E1F606AE13}

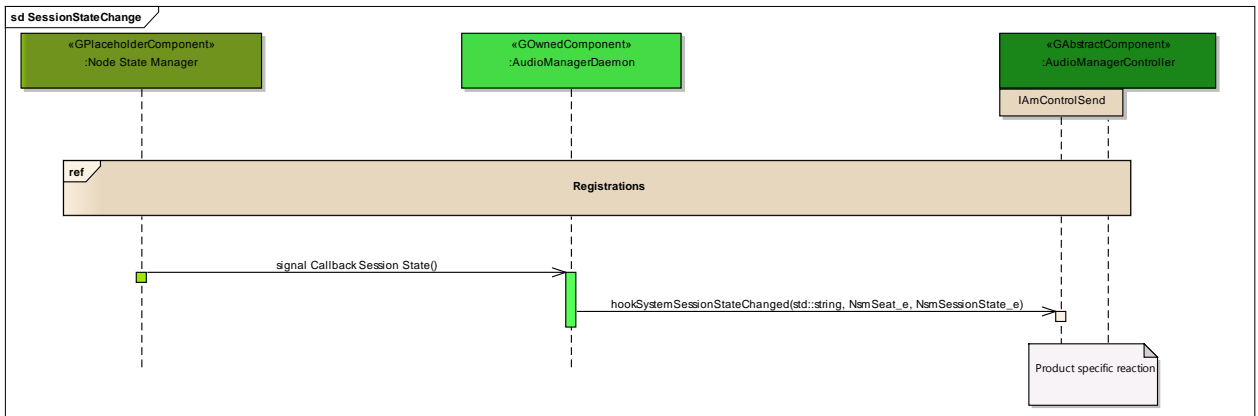


Figure: 123

**NodeStateChange** - (Interaction diagram)

Created By: q232968 on 28.01.2013  
 Last Modified: 28.01.2013  
 Version: 1.0. Locked: False

**GUID:** { 111E5D0C-5030-42f6-ACDF-5ED58540E0CF }

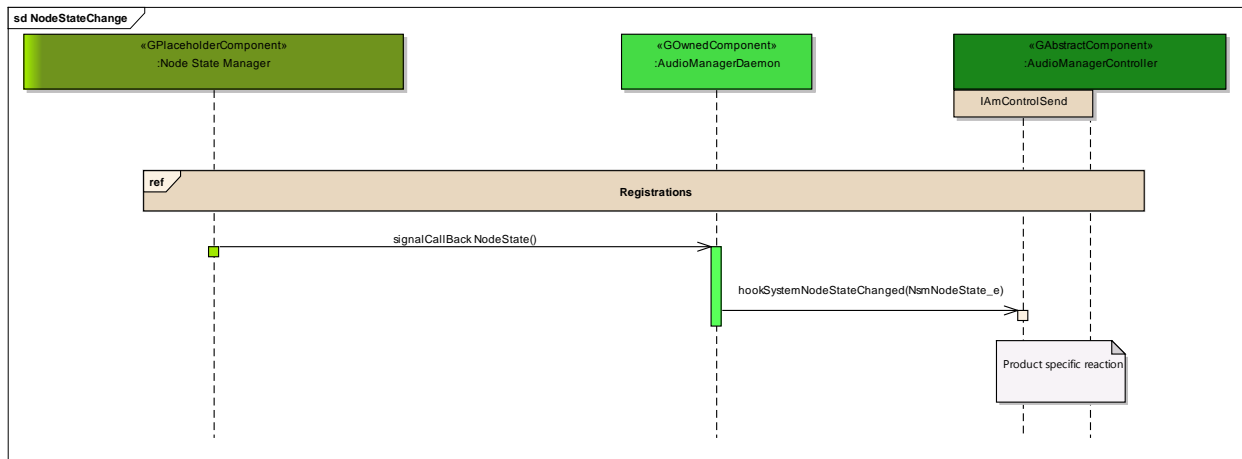


Figure: 124

**ApplicationModeChange** - (Interaction diagram)

**Created By:** q232968 on 28.01.2013  
**Last Modified:** 28.01.2013  
**Version:** 1.0. **Locked:** False  
**GUID:** { 1A1B02F9-EF79-40ad-9AFE-B21B4013F5FF }

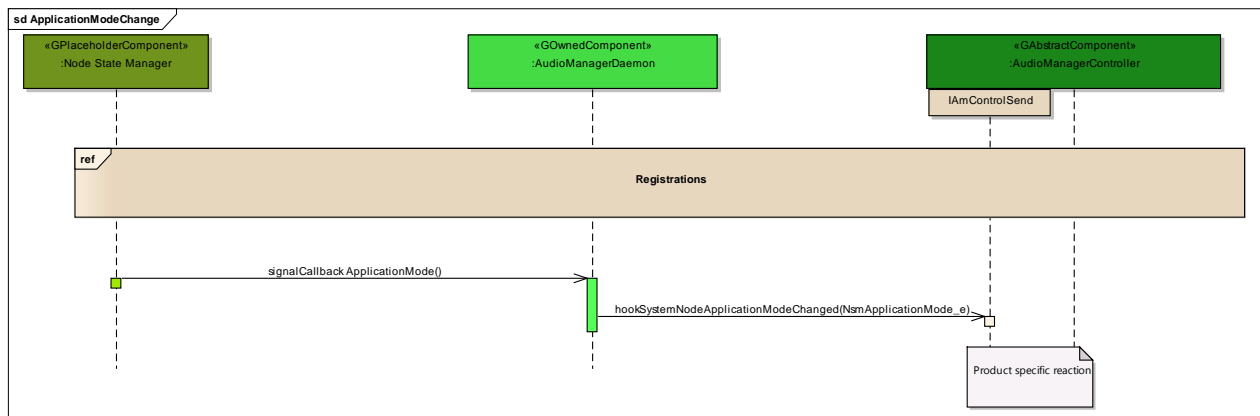


Figure: 125

**Registrations**

**Type:** InteractionOccurrence  
**Status:** Proposed. Version 1.0. Phase 1.0.  
**Package:** NodeStateManagement **Keywords:**  
**Detail:** Created on 28.01.2013. Last modified on 28.01.2013.  
**GUID:** { 6E5C065F-23CA-40ba-8BB1-48656F92D3E1 }

Connections

Connector	Source	Target	Notes
<u>NoteLink</u>	Public <anonymous>	Public Registrations	

## process request

*Type:* **Sequence**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* NodeStateManagement *Keywords:*  
*Detail:* Created on 28.01.2013. Last modified on 28.01.2013.  
*GUID:* {A5C7E070-C750-411d-9DE8-4191A6FC1481}

### Connections

Connector	Source	Target	Notes
<u>Sequence</u> Source -> Destination	Public IAmControlSend	Public process request	
<u>Sequence</u> LifecycleRequestComple te(uint32, int32, int32*) Source -> Destination	Public process request	Public Consumer	

## Registrations

*Type:* **InteractionOccurrence**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* NodeStateManagement *Keywords:*  
*Detail:* Created on 28.01.2013. Last modified on 28.01.2013.  
*GUID:* {7172041F-4C9E-4781-BE1A-1D4D74EE7438}

## Registrations

*Type:* **InteractionOccurrence**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* NodeStateManagement *Keywords:*  
*Detail:* Created on 28.01.2013. Last modified on 28.01.2013.  
*GUID:* {CE8A49AF-DB49-487e-807F-D74919201562}

## Registrations

*Type:* **InteractionOccurrence**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* NodeStateManagement *Keywords:*  
*Detail:* Created on 28.01.2013. Last modified on 28.01.2013.  
*GUID:* {8CC94B98-ED15-4012-946A-291338803137}

## if AudioManagerController needs to be notified on lifecycle requests

*Type:* **InteractionFragment**  
*Status:* Proposed. Version 1.0. Phase 1.0.  
*Package:* NodeStateManagement *Keywords:*  
*Detail:* Created on 28.01.2013. Last modified on 28.01.2013.  
*GUID:* {6E13D1AC-7A84-4a91-8E68-12F1FFC9060D}

## 8 Headers

### 8.1 IAmControlReceive

```
/**
 * Copyright (C) 2012 - 2014, BMW AG
 *
 * This file is part of GENIVI Project AudioManager.
 *
 * Contributions are licensed to the GENIVI Alliance under one or more
 * Contribution License Agreements.
 *
 * \copyright
 * This Source Code Form is subject to the terms of the
 * Mozilla Public License, v. 2.0. If a copy of the MPL was not distributed with
 * this file, You can obtain one at http://mozilla.org/MPL/2.0/.
 *
 *
 * \author Christian Linke, christian.linke@bmw.de BMW 2011 - 2014
 *
 * \file
 * For further information see http://projects.genivi.org/audio-manager
 *
 * THIS CODE HAS BEEN GENERATED BY ENTERPRISE ARCHITECT GENIVI MODEL.
 * PLEASE CHANGE ONLY IN ENTERPRISE ARCHITECT AND GENERATE AGAIN.
 */
#if !defined(EA_55795AA7_FC6F_4fa0_81B9_5AF40198B73A__INCLUDED_)
#define EA_55795AA7_FC6F_4fa0_81B9_5AF40198B73A__INCLUDED_

#include <vector>
#include <string>
#include "audiomanagertypes.h"
namespace am {
class CAmSocketHandler;
}

#include "audiomanagertypes.h"
#include "NodeStateManager.h"

#define ControlReceiveVersion "2.0"
namespace am {

/**
 * This interface gives access to all important functions of the audiomanager that
```

```

* are used by the AudioManagerController to control the system.
* There are two rules that have to be kept in mind when implementing against this
* interface:\n
* \warning
* 1. CALLS TO THIS INTERFACE ARE NOT THREAD SAFE !!!! \n
* 2. YOU MAY NOT CALL THE CALLING INTERFACE DURING AN SYNCHRONOUS OR ASYNCHRONOUS
* CALL THAT EXPECTS A RETURN VALUE.\n
* \details
* Violation these rules may lead to unexpected behavior! Nevertheless you can
* implement thread safe by using the deferred-call pattern described on the wiki
* which also helps to implement calls that are forbidden.\n
* For more information, please check CAMSerializer
*/
class IAmControlReceive
{
public:
    IAmControlReceive() {

    }

    virtual ~IAmControlReceive() {

    }

    virtual void getInterfaceVersion(std::string& version) const =0;
    virtual am_Error_e getRoute(const bool onlyfree, const am_sourceID_t sourceID, const
am_sinkID_t sinkID, std::vector<am_Route_s>& returnList) =0;
    virtual am_Error_e connect(am_Handle_s& handle, am_connectionID_t& connectionID, const
am_CustomConnectionFormat_t format, const am_sourceID_t sourceID, const am_sinkID_t sinkID) =0;
    virtual am_Error_e disconnect(am_Handle_s& handle, const am_connectionID_t connectionID)
=0;
    virtual am_Error_e crossfade(am_Handle_s& handle, const am_HotSink_e hotSource, const
am_crossfaderID_t crossfaderID, const am_CustomRampType_t rampType, const am_time_t rampTime) =0;
    virtual am_Error_e abortAction(const am_Handle_s handle) =0;
    virtual am_Error_e setSourceState(am_Handle_s& handle, const am_sourceID_t sourceID,
const am_SourceState_e state) =0;
    virtual am_Error_e setSinkVolume(am_Handle_s& handle, const am_sinkID_t sinkID, const
am_volume_t volume, const am_CustomRampType_t ramp, const am_time_t time) =0;
    virtual am_Error_e setSourceVolume(am_Handle_s& handle, const am_sourceID_t sourceID,
const am_volume_t volume, const am_CustomRampType_t rampType, const am_time_t time) =0;
    virtual am_Error_e setSinkSoundProperties(am_Handle_s& handle, const am_sinkID_t sinkID,
const std::vector<am_SoundProperty_s>& soundProperty) =0;
    virtual am_Error_e setSinkSoundProperty(am_Handle_s& handle, const am_sinkID_t sinkID,
const am_SoundProperty_s& soundProperty) =0;
    virtual am_Error_e setSourceSoundProperties(am_Handle_s& handle, const am_sourceID_t
sourceID, const std::vector<am_SoundProperty_s>& soundProperty) =0;

```

```

    virtual am_Error_e setSourceSoundProperty(am_Handle_s& handle, const am_sourceID_t
sourceID, const am_SoundProperty_s& soundProperty) =0;

    virtual am_Error_e setDomainState(const am_domainID_t domainID, const am_DomainState_e
domainState) =0;

    virtual am_Error_e enterDomainDB(const am_Domain_s& domainData, am_domainID_t& domainID)
=0;

    virtual am_Error_e enterMainConnectionDB(const am_MainConnection_s& mainConnectionData,
am_mainConnectionID_t& connectionID) =0;

    virtual am_Error_e enterSinkDB(const am_Sink_s& sinkData, am_sinkID_t& sinkID) =0;

    virtual am_Error_e enterCrossfaderDB(const am_Crossfader_s& crossfaderData,
am_crossfaderID_t& crossfaderID) =0;

    virtual am_Error_e enterGatewayDB(const am_Gateway_s& gatewayData, am_gatewayID_t&
gatewayID) =0;

    virtual am_Error_e enterSourceDB(const am_Source_s& sourceData, am_sourceID_t& sourceID)
=0;

    virtual am_Error_e enterSinkClassDB(const am_SinkClass_s& sinkClass, am_sinkClass_t&
sinkClassID) =0;

    virtual am_Error_e enterSourceClassDB(am_sourceClass_t& sourceClassID, const
am_SourceClass_s& sourceClass) =0;

    virtual am_Error_e changeSinkClassInfoDB(const am_SinkClass_s& sinkClass) =0;

    virtual am_Error_e changeSourceClassInfoDB(const am_SourceClass_s& sourceClass) =0;

    virtual am_Error_e enterSystemPropertiesListDB(const std::vector<am_SystemProperty_s>&
listSystemProperties) =0;

    virtual am_Error_e changeMainConnectionRouteDB(const am_mainConnectionID_t
mainconnectionID, const std::vector<am_connectionID_t>& listConnectionID) =0;

    virtual am_Error_e changeMainConnectionStateDB(const am_mainConnectionID_t
mainconnectionID, const am_ConnectionState_e connectionState) =0;

    virtual am_Error_e changeSinkMainVolumeDB(const am_mainVolume_t mainVolume, const
am_sinkID_t sinkID) =0;

    virtual am_Error_e changeSinkAvailabilityDB(const am_Availability_s& availability, const
am_sinkID_t sinkID) =0;

    virtual am_Error_e changDomainStateDB(const am_DomainState_e domainState, const
am_domainID_t domainID) =0;

    virtual am_Error_e changeSinkMuteStateDB(const am_MuteState_e muteState, const
am_sinkID_t sinkID) =0;

    virtual am_Error_e changeMainSinkSoundPropertyDB(const am_MainSoundProperty_s&
soundProperty, const am_sinkID_t sinkID) =0;

    virtual am_Error_e changeMainSourceSoundPropertyDB(const am_MainSoundProperty_s&
soundProperty, const am_sourceID_t sourceID) =0;

    virtual am_Error_e changeSourceAvailabilityDB(const am_Availability_s& availability,
const am_sourceID_t sourceID) =0;

    virtual am_Error_e changeSystemPropertyDB(const am_SystemProperty_s& property) =0;

    virtual am_Error_e removeMainConnectionDB(const am_mainConnectionID_t mainConnectionID)
=0;

    virtual am_Error_e removeSinkDB(const am_sinkID_t sinkID) =0;

    virtual am_Error_e removeSourceDB(const am_sourceID_t sourceID) =0;

    virtual am_Error_e removeGatewayDB(const am_gatewayID_t gatewayID) =0;

    virtual am_Error_e removeCrossfaderDB(const am_crossfaderID_t crossfaderID) =0;

    virtual am_Error_e removeDomainDB(const am_domainID_t domainID) =0;

    virtual am_Error_e removeSinkClassDB(const am_sinkClass_t sinkClassID) =0;

    virtual am_Error_e removeSourceClassDB(const am_sourceClass_t sourceClassID) =0;

    virtual am_Error_e getSourceClassInfoDB(const am_sourceID_t sourceID, am_SourceClass_s&
classInfo) const =0;

```



```
virtual am_Error_e getSinkClassInfoDB(const am_sinkID_t sinkID, am_SinkClass_s&
sinkClass) const =0;

virtual am_Error_e getSinkInfoDB(const am_sinkID_t sinkID, am_Sink_s& sinkData) const =0;

virtual am_Error_e getSourceInfoDB(const am_sourceID_t sourceID, am_Source_s& sourceData)
const =0;

virtual am_Error_e getGatewayInfoDB(const am_gatewayID_t gatewayID, am_Gateway_s&
gatewayData) const =0;

virtual am_Error_e getCrossfaderInfoDB(const am_crossfaderID_t crossfaderID,
am_Crossfader_s& crossfaderData) const =0;

virtual am_Error_e getMainConnectionInfoDB(const am_mainConnectionID_t mainConnectionID,
am_MainConnection_s& mainConnectionData) const =0;

virtual am_Error_e getListSinksOfDomain(const am_domainID_t domainID,
std::vector<am_sinkID_t>& listSinkID) const =0;

virtual am_Error_e getListSourcesOfDomain(const am_domainID_t domainID,
std::vector<am_sourceID_t>& listSourceID) const =0;

virtual am_Error_e getListCrossfadersOfDomain(const am_domainID_t domainID,
std::vector<am_crossfaderID_t>& listCrossfadersID) const =0;

virtual am_Error_e getListGatewaysOfDomain(const am_domainID_t domainID,
std::vector<am_gatewayID_t>& listGatewaysID) const =0;

virtual am_Error_e getListMainConnections(std::vector<am_MainConnection_s>&
listMainConnections) const =0;

virtual am_Error_e getListDomains(std::vector<am_Domain_s>& listDomains) const =0;

virtual am_Error_e getListConnections(std::vector<am_Connection_s>& listConnections)
const =0;

virtual am_Error_e getListSinks(std::vector<am_Sink_s>& listSinks) const =0;

virtual am_Error_e getListSources(std::vector<am_Source_s>& listSources) const =0;

virtual am_Error_e getListSourceClasses(std::vector<am_SourceClass_s>& listSourceClasses)
const =0;

virtual am_Error_e getListHandles(std::vector<am_Handle_s>& listHandles) const =0;

virtual am_Error_e getListCrossfaders(std::vector<am_Crossfader_s>& listCrossfaders)
const =0;

virtual am_Error_e getListGateways(std::vector<am_Gateway_s>& listGateways) const =0;

virtual am_Error_e getListSinkClasses(std::vector<am_SinkClass_s>& listSinkClasses) const
=0;

virtual am_Error_e getListSystemProperties(std::vector<am_SystemProperty_s>&
listSystemProperties) const =0;

virtual void setCommandReady() =0;

virtual void setCommandRunDown() =0;

virtual void setRoutingReady() =0;

virtual void setRoutingRunDown() =0;

virtual void confirmControllerReady(const am_Error_e error) =0;

virtual void confirmControllerRunDown(const am_Error_e error) =0;

virtual am_Error_e getSocketHandler(CAmSocketHandler*& socketHandler) =0;

virtual am_Error_e changeSourceDB(const am_sourceID_t sourceID, const am_sourceClass_t
sourceClassID, const std::vector<am_SoundProperty_s>& listSoundProperties, const
std::vector<am_CustomConnectionFormat_t>& listConnectionFormats, const
std::vector<am_MainSoundProperty_s>& listMainSoundProperties) =0;

virtual am_Error_e changeSinkDB(const am_sinkID_t sinkID, const am_sinkClass_t
sinkClassID, const std::vector<am_SoundProperty_s>& listSoundProperties, const
std::vector<am_CustomConnectionFormat_t>& listConnectionFormats, const
std::vector<am_MainSoundProperty_s>& listMainSoundProperties) =0;
```

```

    virtual am_Error_e changeGatewayDB(const am_gatewayID_t gatewayID, const
std::vector<am_CustomConnectionFormat_t>& listSourceConnectionFormats, const
std::vector<am_CustomConnectionFormat_t>& listSinkConnectionFormats, const std::vector<bool>&
conversionMatrix) =0;

    virtual am_Error_e setVolumes(am_Handle_s& handle, const std::vector<am_Volumes_s>&
listVolumes) =0;

    virtual am_Error_e setSinkNotificationConfiguration(am_Handle_s& handle, const
am_sinkID_t sinkID, const am_NotificationConfiguration_s& notificationConfiguration) =0;

    virtual am_Error_e setSourceNotificationConfiguration(am_Handle_s& handle, const
am_sourceID_t sourceID, const am_NotificationConfiguration_s& notificationConfiguration) =0;

    virtual void sendMainSinkNotificationPayload(const am_sinkID_t sinkID, const
am_NotificationPayload_s& notificationPayload) =0;

    virtual void sendMainSourceNotificationPayload(const am_sourceID_t sourceID, const
am_NotificationPayload_s& notificationPayload) =0;

    virtual am_Error_e changeMainSinkNotificationConfigurationDB(const am_sinkID_t sinkID,
const am_NotificationConfiguration_s& mainNotificationConfiguration) =0;

    virtual am_Error_e changeMainSourceNotificationConfigurationDB(const am_sourceID_t
sourceID, const am_NotificationConfiguration_s& mainNotificationConfiguration) =0;

    virtual am_Error_e getRestartReasonPropertyNSM(NsmRestartReason_e& restartReason) =0;

    virtual am_Error_e getShutdownReasonPropertyNSM(NsmShutdownReason_e& ShutdownReason) =0;

    virtual am_Error_e getRunningReasonPropertyNSM(NsmRunningReason_e& nsmRunningReason) =0;

    virtual NsmErrorStatus_e getNodeStateNSM(NsmNodeState_e& nsmNodeState) =0;

    virtual NsmErrorStatus_e getSessionStateNSM(const std::string& sessionName, const
NsmSeat_e seatID, NsmSessionState_e& sessionState) =0;

    virtual NsmErrorStatus_e getApplicationModeNSM(NsmApplicationMode_e& applicationMode) =0;

    virtual NsmErrorStatus_e registerShutdownClientNSM(const uint32_t shutdownMode, const
uint32_t timeoutMs) =0;

    virtual NsmErrorStatus_e unregisterShutdownClientNSM(const uint32_t shutdownMode) =0;

    virtual am_Error_e getInterfaceVersionNSM(uint32_t& version) =0;

    virtual NsmErrorStatus_e sendLifecycleRequestCompleteNSM(const uint32_t RequestId, const
NsmErrorStatus_e status) =0;

};
}
#endif // !defined(EA_55795AA7_FC6F_4fa0_81B9_5AF40198B73A__INCLUDED_)

```

## 8.2 IAmControlSend

```

/**
 * Copyright (C) 2012 - 2014, BMW AG
 *
 * This file is part of GENIVI Project AudioManager.
 *
 * Contributions are licensed to the GENIVI Alliance under one or more
 * Contribution License Agreements.
 *
 * \copyright
 * This Source Code Form is subject to the terms of the
 * Mozilla Public License, v. 2.0. If a copy of the MPL was not distributed with
 * this file, You can obtain one at http://mozilla.org/MPL/2.0/.
 *

```

```
*
* \author Christian Linke, christian.linke@bmw.de BMW 2011 - 2014
*
* \file
* For further information see http://projects.genivi.org/audio-manager
*
* THIS CODE HAS BEEN GENERATED BY ENTERPRISE ARCHITECT GENIVI MODEL.
* PLEASE CHANGE ONLY IN ENTERPRISE ARCHITECT AND GENERATE AGAIN.
*/
#if !defined(EA_D17C9A1A_AB65_4f6e_A787_51033D190C21__INCLUDED_)
#define EA_D17C9A1A_AB65_4f6e_A787_51033D190C21__INCLUDED_

#include <vector>
#include <string>
#include "audiomanagertypes.h"

namespace am {
class IAmControlReceive;
}

#include "IAmControlReceive.h"
#include "audiomanagertypes.h"
#include "NodeStateManager.h"

#define ControlSendVersion "2.0"
namespace am {

/**
 * This interface is presented by the AudioManager controller.
 * All the hooks represent system events that need to be handled. The callback
 * functions are used to handle for example answers to function calls on the
 * AudioManagerCoreInterface.
 * There are two rules that have to be kept in mind when implementing against this
 * interface:\n
 * \warning
 * 1. CALLS TO THIS INTERFACE ARE NOT THREAD SAFE !!!! \n
 * 2. YOU MAY NOT CALL THE CALLING INTERFACE DURING AN SYNCHRONOUS OR ASYNCHRONOUS
 * CALL THAT EXPECTS A RETURN VALUE.\n
 * \details
 * Violation these rules may lead to unexpected behavior! Nevertheless you can
 * implement thread safe by using the deferred-call pattern described on the wiki
 * which also helps to implement calls that are forbidden.\n
 * For more information, please check CAmSerializer
 */
```

```
class IAmControlSend
{
public:
    IAmControlSend() {

    }

    virtual ~IAmControlSend() {

    }

    virtual void getInterfaceVersion(std::string& version) const =0;
    virtual am_Error_e startupController(IAmControlReceive* controlreceiveinterface) =0;
    virtual void setControllerReady() =0;
    virtual void setControllerRundown(const int16_t signal) =0;
    virtual am_Error_e hookUserConnectionRequest(const am_sourceID_t sourceID, const
am_sinkID_t sinkID, am_mainConnectionID_t& mainConnectionID) =0;
    virtual am_Error_e hookUserDisconnectionRequest(const am_mainConnectionID_t connectionID)
=0;
    virtual am_Error_e hookUserSetMainSinkSoundProperty(const am_sinkID_t sinkID, const
am_MainSoundProperty_s& soundProperty) =0;
    virtual am_Error_e hookUserSetMainSourceSoundProperty(const am_sourceID_t sourceID, const
am_MainSoundProperty_s& soundProperty) =0;
    virtual am_Error_e hookUserSetSystemProperty(const am_SystemProperty_s& property) =0;
    virtual am_Error_e hookUserVolumeChange(const am_sinkID_t SinkID, const am_mainVolume_t
newVolume) =0;
    virtual am_Error_e hookUserVolumeStep(const am_sinkID_t SinkID, const int16_t increment)
=0;
    virtual am_Error_e hookUserSetSinkMuteState(const am_sinkID_t sinkID, const
am_MuteState_e muteState) =0;
    virtual am_Error_e hookSystemRegisterDomain(const am_Domain_s& domainData, am_domainID_t&
domainID) =0;
    virtual am_Error_e hookSystemDeregisterDomain(const am_domainID_t domainID) =0;
    virtual void hookSystemDomainRegistrationComplete(const am_domainID_t domainID) =0;
    virtual am_Error_e hookSystemRegisterSink(const am_Sink_s& sinkData, am_sinkID_t& sinkID)
=0;
    virtual am_Error_e hookSystemDeregisterSink(const am_sinkID_t sinkID) =0;
    virtual am_Error_e hookSystemRegisterSource(const am_Source_s& sourceData, am_sourceID_t&
sourceID) =0;
    virtual am_Error_e hookSystemDeregisterSource(const am_sourceID_t sourceID) =0;
    virtual am_Error_e hookSystemRegisterGateway(const am_Gateway_s& gatewayData,
am_gatewayID_t& gatewayID) =0;
    virtual am_Error_e hookSystemDeregisterGateway(const am_gatewayID_t gatewayID) =0;
    virtual am_Error_e hookSystemRegisterCrossfader(const am_Crossfader_s& crossfaderData,
am_crossfaderID_t& crossfaderID) =0;
    virtual am_Error_e hookSystemDeregisterCrossfader(const am_crossfaderID_t crossfaderID)
=0;
    virtual void hookSystemSinkVolumeTick(const am_Handle_s handle, const am_sinkID_t sinkID,
const am_volume_t volume) =0;
```

```
virtual void hookSystemSourceVolumeTick(const am_Handle_s handle, const am_sourceID_t
sourceID, const am_volume_t volume) =0;

virtual void hookSystemInterruptStateChange(const am_sourceID_t sourceID, const
am_InterruptState_e interruptState) =0;

virtual void hookSystemSinkAvailabilityStateChange(const am_sinkID_t sinkID, const
am_Availability_s& availability) =0;

virtual void hookSystemSourceAvailabilityStateChange(const am_sourceID_t sourceID, const
am_Availability_s& availability) =0;

virtual void hookSystemDomainStateChange(const am_domainID_t domainID, const
am_DomainState_e state) =0;

virtual void hookSystemReceiveEarlyData(const std::vector<am_EarlyData_s>& data) =0;
virtual void hookSystemSpeedChange(const am_speed_t speed) =0;
virtual void hookSystemTimingInformationChanged(const am_mainConnectionID_t
mainConnectionID, const am_timeSync_t time) =0;

virtual void cbAckConnect(const am_Handle_s handle, const am_Error_e errorID) =0;
virtual void cbAckDisconnect(const am_Handle_s handle, const am_Error_e errorID) =0;
virtual void cbAckCrossFade(const am_Handle_s handle, const am_HotSink_e hostsink, const
am_Error_e error) =0;

virtual void cbAckSetSinkVolumeChange(const am_Handle_s handle, const am_volume_t volume,
const am_Error_e error) =0;

virtual void cbAckSetSourceVolumeChange(const am_Handle_s handle, const am_volume_t
voulme, const am_Error_e error) =0;

virtual void cbAckSetSourceState(const am_Handle_s handle, const am_Error_e error) =0;
virtual void cbAckSetSourceSoundProperties(const am_Handle_s handle, const am_Error_e
error) =0;
virtual void cbAckSetSourceSoundProperty(const am_Handle_s handle, const am_Error_e
error) =0;
virtual void cbAckSetSinkSoundProperties(const am_Handle_s handle, const am_Error_e
error) =0;
virtual void cbAckSetSinkSoundProperty(const am_Handle_s handle, const am_Error_e error)
=0;

virtual am_Error_e getConnectionFormatChoice(const am_sourceID_t sourceID, const
am_sinkID_t sinkID, const am_Route_s listRoute, const std::vector<am_CustomConnectionFormat_t>
listPossibleConnectionFormats, std::vector<am_CustomConnectionFormat_t>&
listPrioConnectionFormats) =0;

virtual void confirmCommandReady(const am_Error_e error) =0;
virtual void confirmRoutingReady(const am_Error_e error) =0;
virtual void confirmCommandRundown(const am_Error_e error) =0;
virtual void confirmRoutingRundown(const am_Error_e error) =0;

virtual am_Error_e hookSystemUpdateSink(const am_sinkID_t sinkID, const am_sinkClass_t
sinkClassID, const std::vector<am_SoundProperty_s>& listSoundProperties, const
std::vector<am_CustomConnectionFormat_t>& listConnectionFormats, const
std::vector<am_MainSoundProperty_s>& listMainSoundProperties) =0;

virtual am_Error_e hookSystemUpdateSource(const am_sourceID_t sourceID, const
am_sourceClass_t sourceClassID, const std::vector<am_SoundProperty_s>& listSoundProperties, const
std::vector<am_CustomConnectionFormat_t>& listConnectionFormats, const
std::vector<am_MainSoundProperty_s>& listMainSoundProperties) =0;

virtual am_Error_e hookSystemUpdateGateway(const am_gatewayID_t gatewayID, const
std::vector<am_CustomConnectionFormat_t>& listSourceConnectionFormats, const
std::vector<am_CustomConnectionFormat_t>& listSinkConnectionFormats, const std::vector<bool>&
conversionMatrix) =0;

virtual void cbAckSetVolumes(const am_Handle_s handle, const std::vector<am_Volumes_s>&
listVolumes, const am_Error_e error) =0;
```

```
        virtual void cbAckSetSinkNotificationConfiguration(const am_Handle_s handle, const
am_Error_e error) =0;

        virtual void cbAckSetSourceNotificationConfiguration(const am_Handle_s handle, const
am_Error_e error) =0;

        virtual void hookSinkNotificationDataChanged(const am_sinkID_t sinkID, const
am_NotificationPayload_s& payload) =0;

        virtual void hookSourceNotificationDataChanged(const am_sourceID_t sourceID, const
am_NotificationPayload_s& payload) =0;

        virtual am_Error_e hookUserSetMainSinkNotificationConfiguration(const am_sinkID_t sinkID,
const am_NotificationConfiguration_s& notificationConfiguration) =0;

        virtual am_Error_e hookUserSetMainSourceNotificationConfiguration(const am_sourceID_t
sourceID, const am_NotificationConfiguration_s& notificationConfiguration) =0;

        virtual void hookSystemNodeStateChanged(const NsmNodeState_e NodeStateId) =0;

        virtual void hookSystemNodeApplicationModeChanged(const NsmApplicationMode_e
ApplicationModeId) =0;

        virtual void hookSystemSessionStateChanged(const std::string& sessionName, const
NsmSeat_e seatID, const NsmSessionState_e sessionStateID) =0;

        virtual NsmErrorStatus_e hookSystemLifecycleRequest(const uint32_t Request, const
uint32_t RequestId) =0;

};

}

#endif // !defined(EA_D17C9A1A_AB65_4f6e_A787_51033D190C21__INCLUDED_)
```