GENIVI DocumentIAmControlPlugin

Component Design Template for Component IAmControlPlugin

Platform Compliance Specification

Draft Version 4.0

19.08.2015

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

≪Hints for entry and help text are in this style. Once you are confident that the document has been completed then all text in this style should be removed. To do so click on this text, press the right mouse button, select STYLES and then STYLES WITH SIMILAR FORMATTING and then press CTRL-X to delete≫

1   # Change history

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

3   **Document revision change history**

Date	Version	CR#	Description
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
19.08.2015	4.0		Changed for Kronos

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1   List of Tables

≪List here any tables that are used in this document and be sure to right click and select 'update field' after any additions or changes≫

≪Document Overview – Delete when this document is completed.
The goal of the Component Design Document is to capture the architecture and specification information of a specific component. Information should be added incrementally. It is then refined and updated consistently. Once all information has been completed and this document has been reviewed, it then becomes the final version of the 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
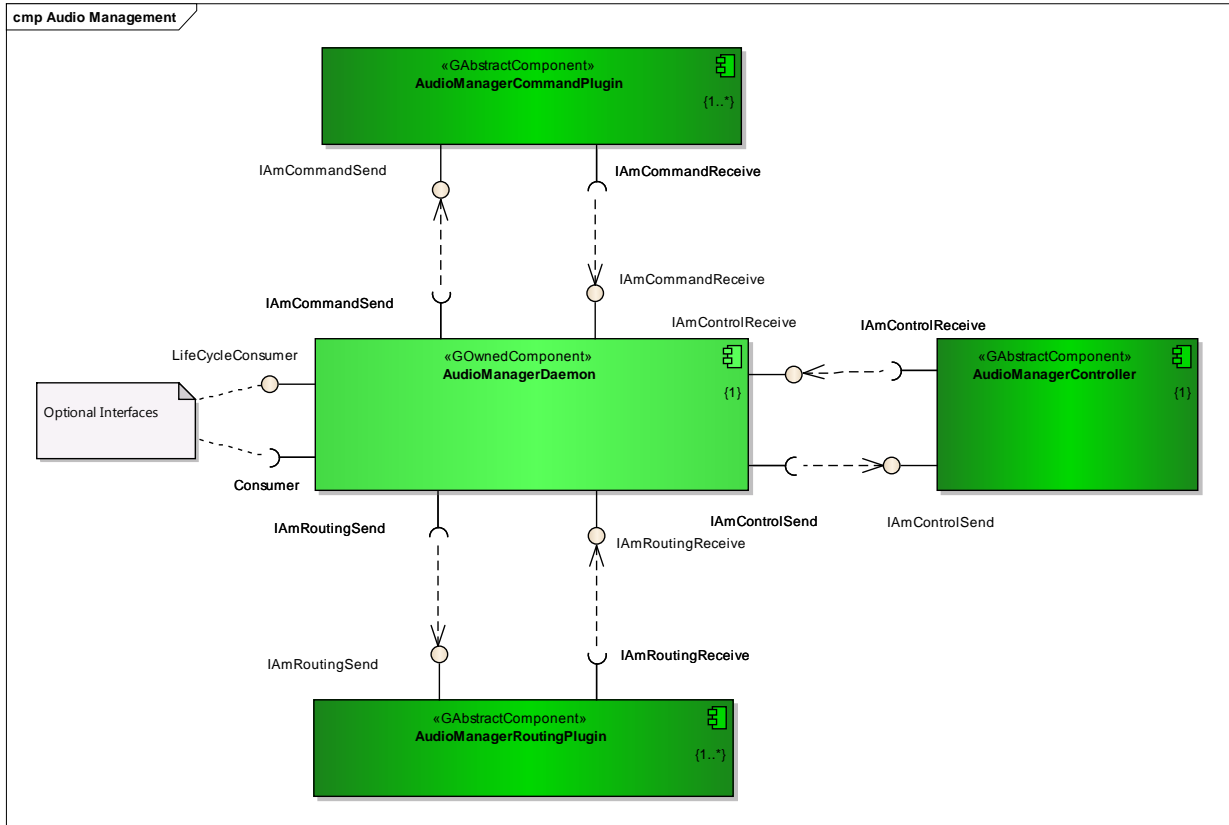
7   Component Interaction

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 fullfill 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}
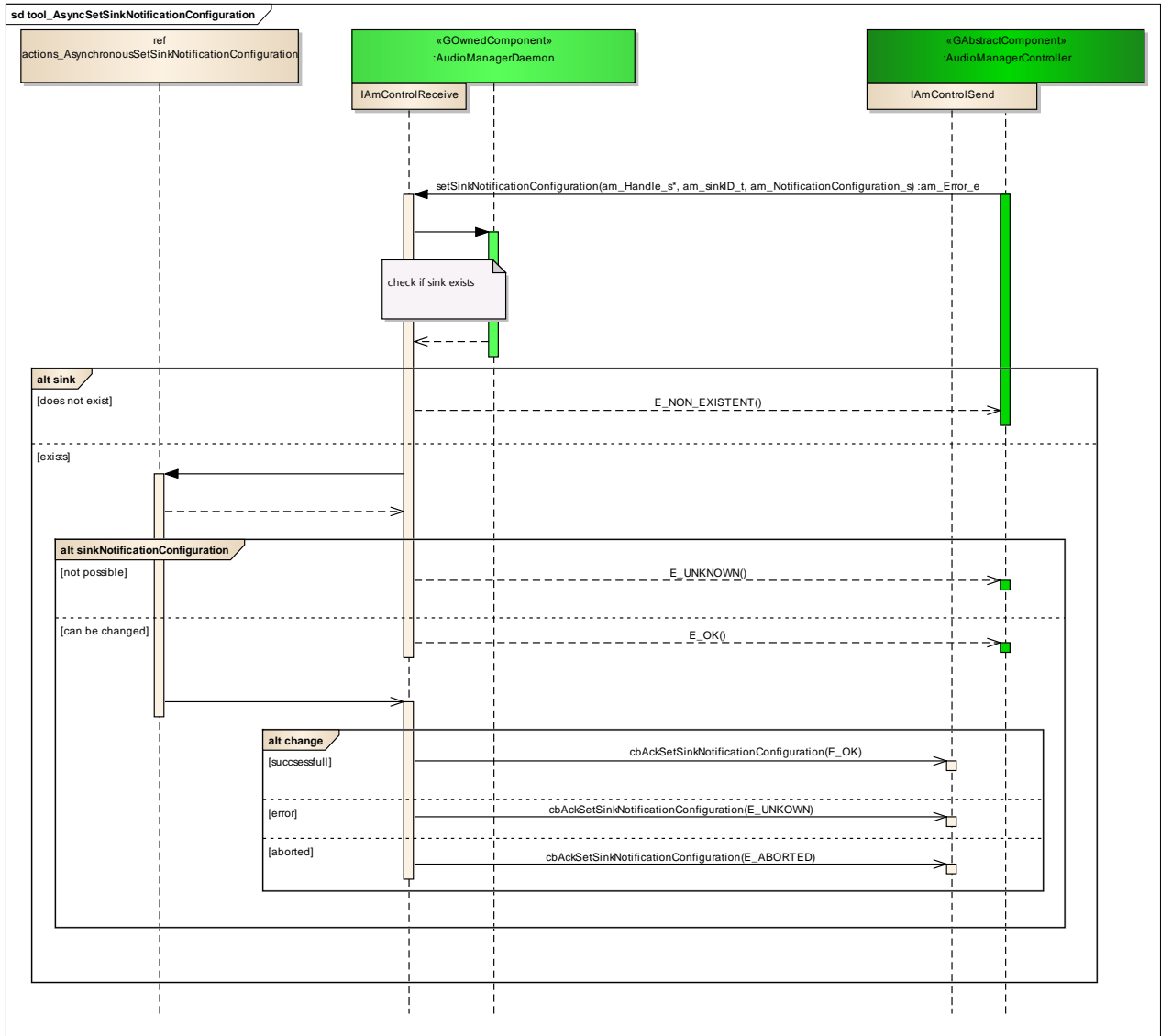
Figure: 1

actions_AsynchronousSetSinkNotificationConfiguration

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
Sequence	Public	Public	
Source -> Destination	IAmControlReceive	actions_AsynchronousSetSinkNotificationConfi	

Connector	Source	Target	Notes
		guration	
Sequence Source -> Destination	Public actions_AsynchronousSetSinkNotificationConfiguration	Public IAmControlReceive	
Sequence Source -> Destination	Public actions_AsynchronousSetSinkNotificationConfiguration	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}
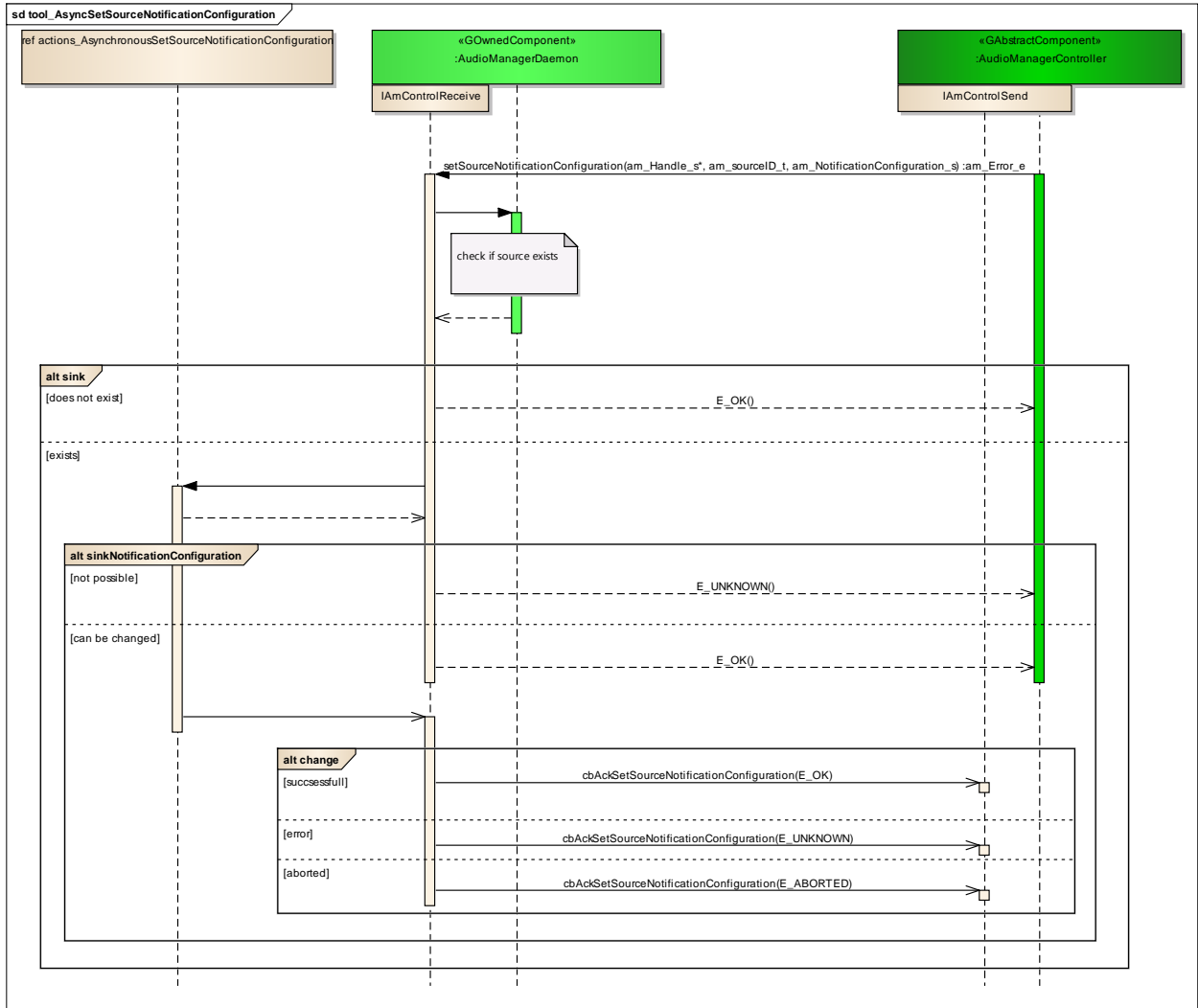
Figure: 2

actions_AsynchronousSetSourceNotificationConfiguration

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
Sequence Source -> Destination	Public IAmControlReceive	Public actions_AsynchronousSetSourceNotificationConfiguration	
Sequence Source -> Destination	Public actions_AsynchronousSetSourceNotificationConfiguration	Public IAmControlReceive	
Sequence 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: {9FECEEF8-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}
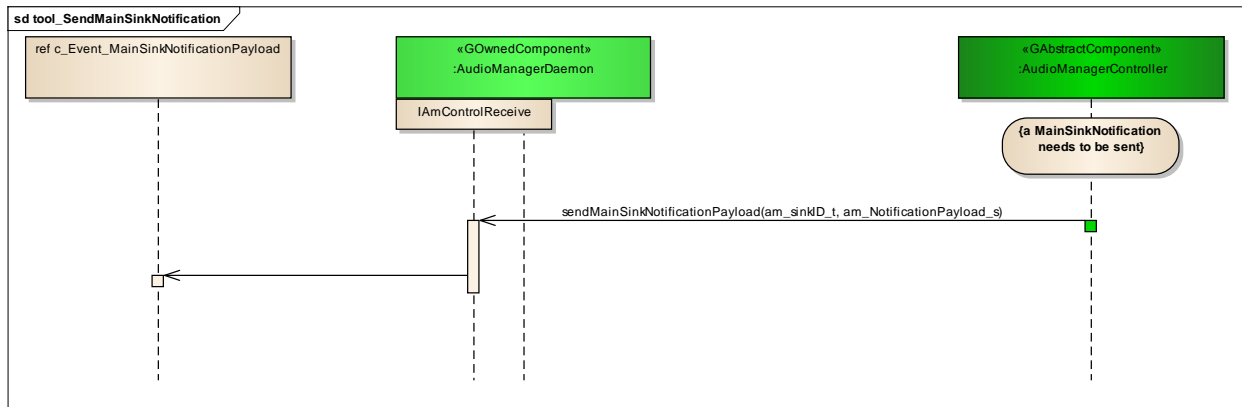
Figure: 3

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
Sequence Source -> Destination	Public IAmControlReceive	Public c_Event_MainSinkNotificationPayload	

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}
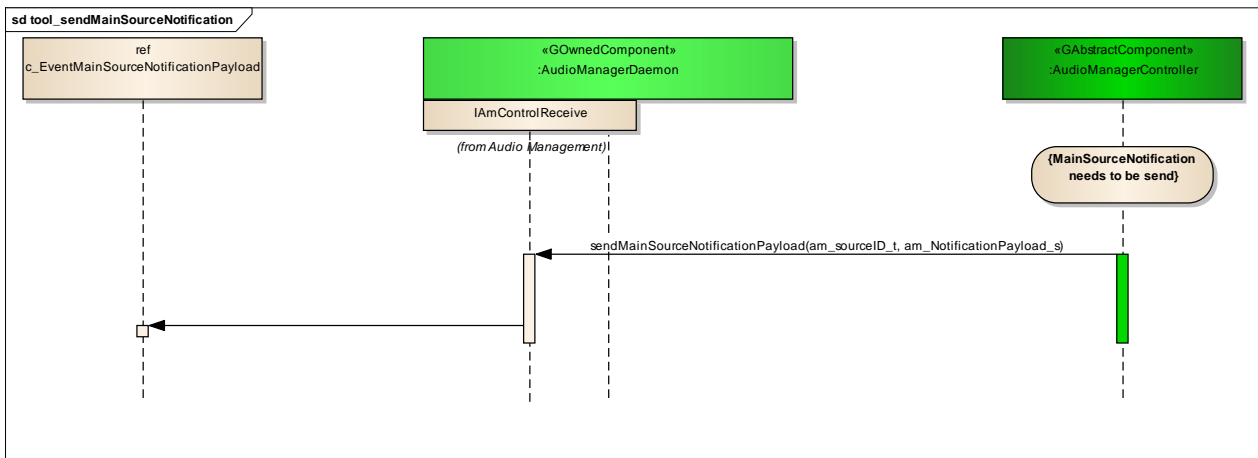
Figure: 4

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
Sequence Source -> Destination	Public IAmControlReceive	Public c_EventMainSourceNotificationPayload	

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
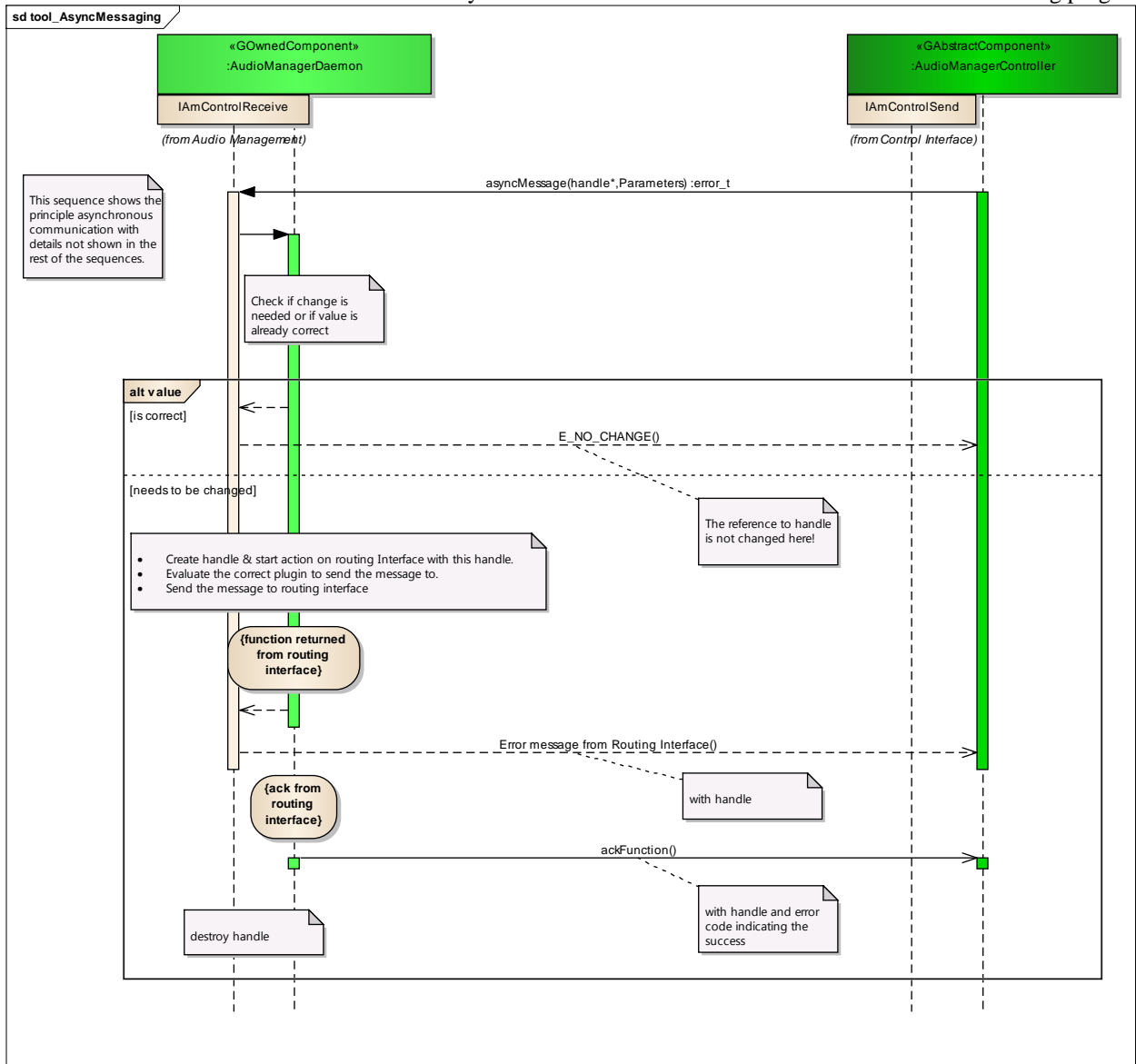
Figure: 5

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}
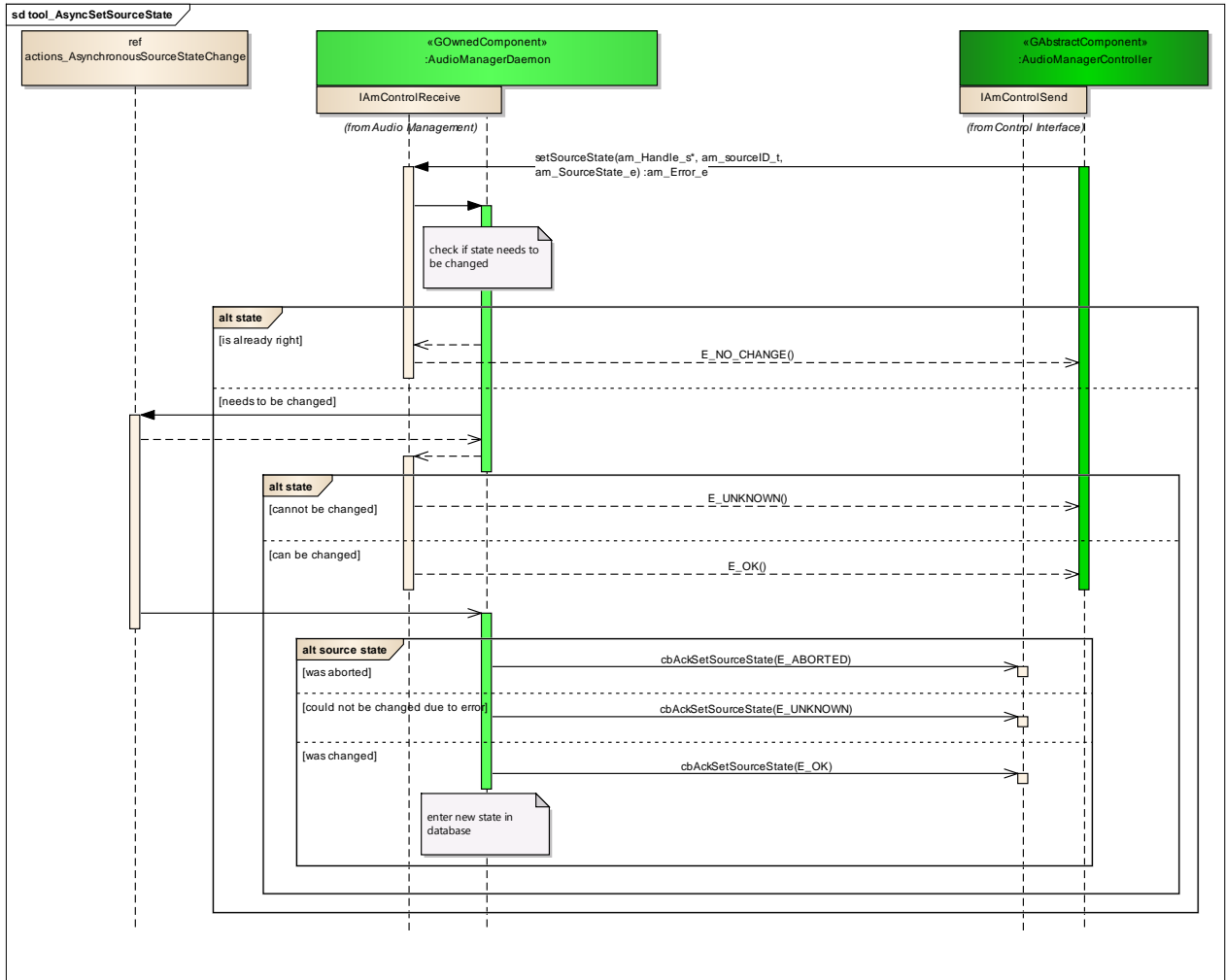
Figure: 6

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
Sequence Source -> Destination	Public <anonymous>	Public actions_AsynchronousS ourceStateChange	
Sequence Source -> Destination	Public actions_AsynchronousS ourceStateChange	Public <anonymous>	

Connector	Source	Target	Notes
Sequence Source -> Destination	Public actions_AsynchronousSourceStateChange	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-E0D3BECCC358}

tool_AsyncSetSourceVolume - *(Interaction diagram)*
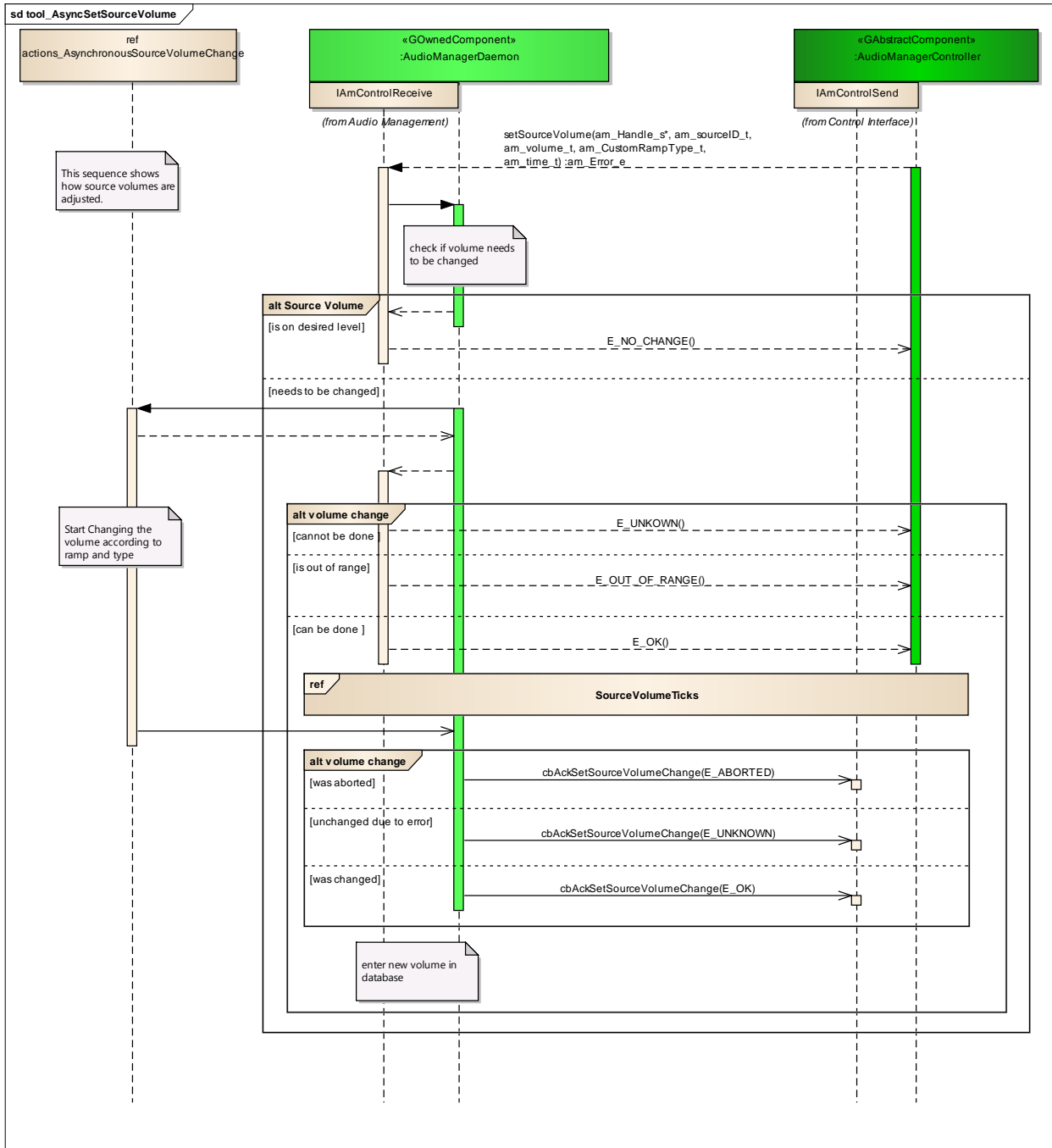
Figure: 7

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
Sequence Source -> Destination	Public <anonymous>	Public actions_AsynchronousSourceVolumeChange	
Sequence Source -> Destination	Public actions_AsynchronousSourceVolumeChange	Public <anonymous>	
Sequence Source -> Destination	Public actions_AsynchronousSourceVolumeChange	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}
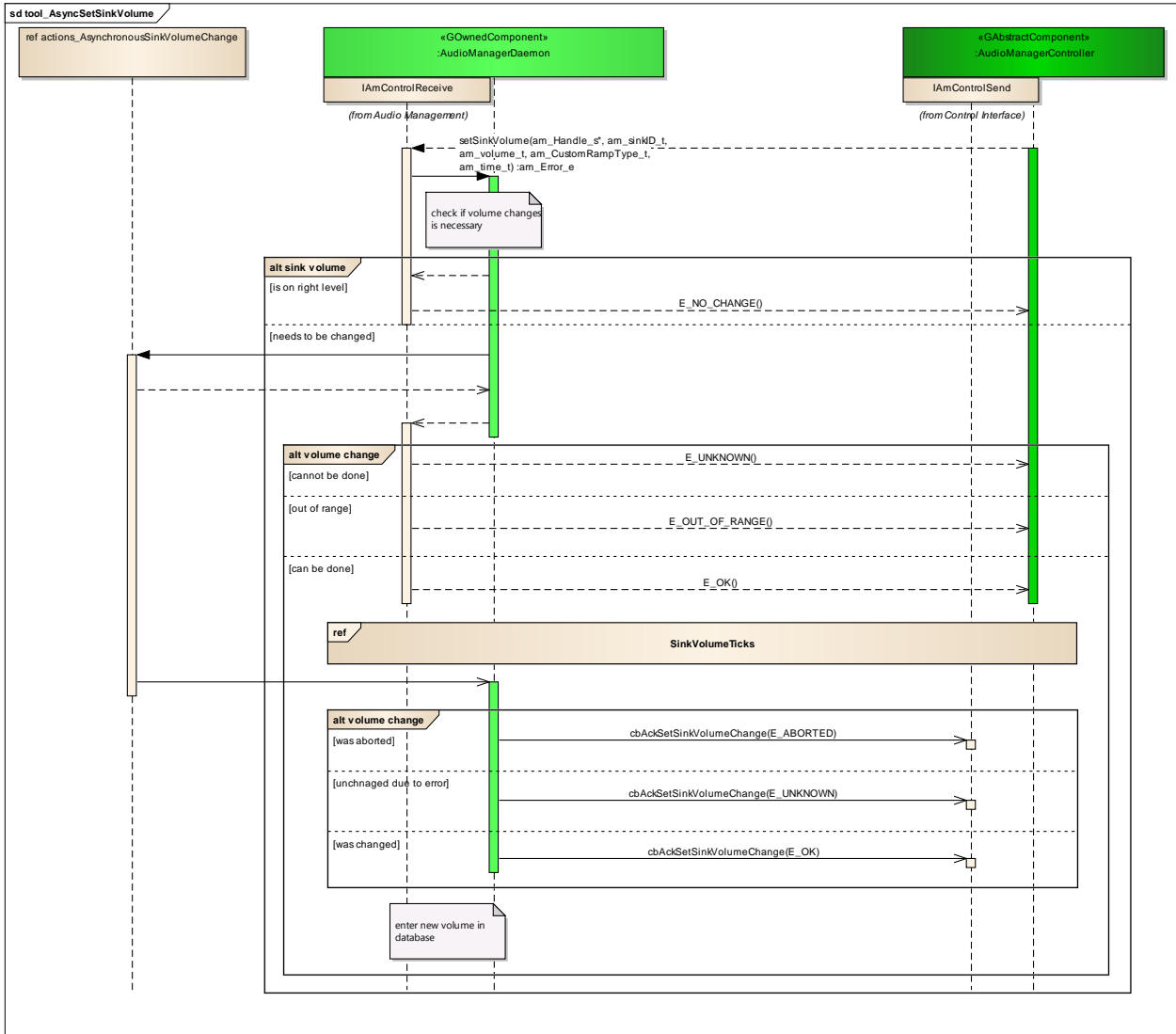
Figure: 8

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_AsynchronousSinkVolumeChange

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
Sequence Source -> Destination	Public <anonymous>	Public actions_AsynchronousSinkVolumeChange	
Sequence Source -> Destination	Public actions_AsynchronousSinkVolumeChange	Public <anonymous>	
Sequence 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}
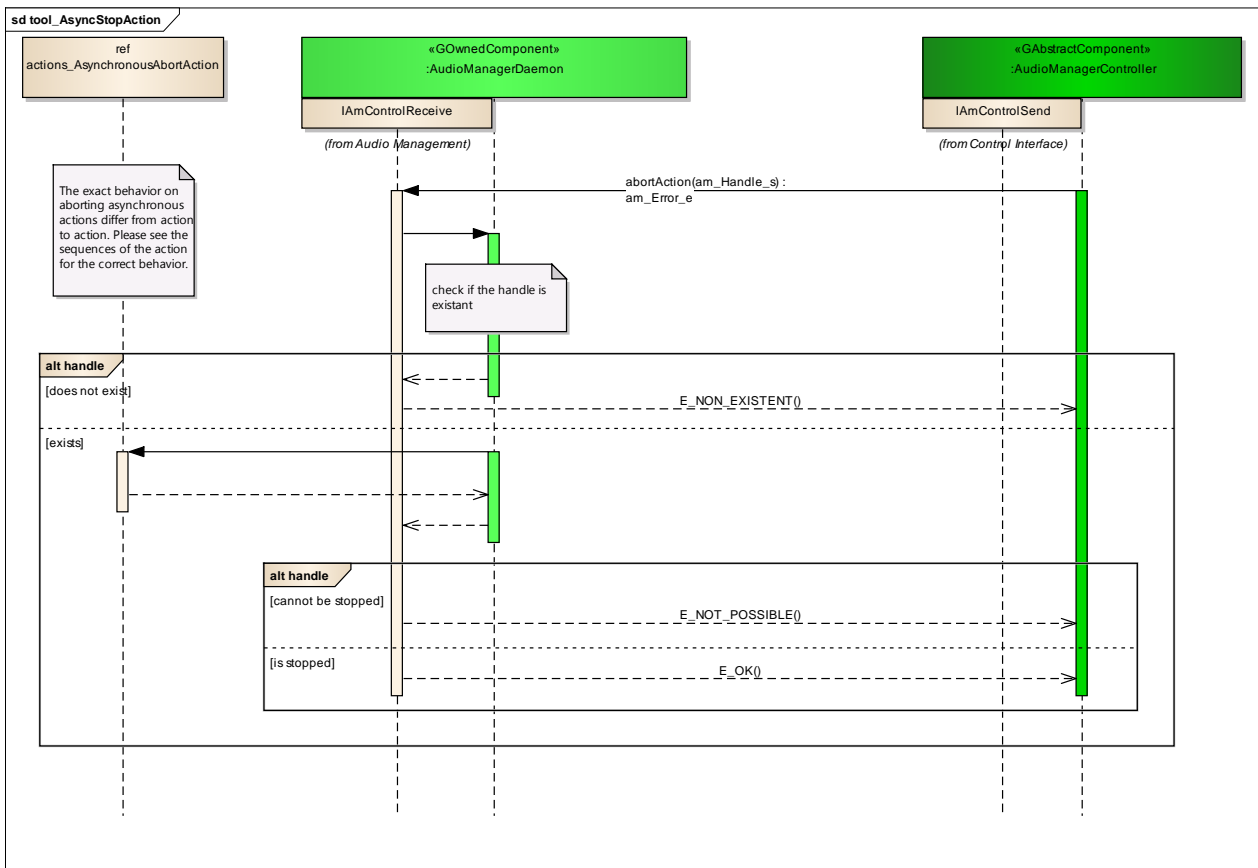
Figure: 9

actions_AsynchronousAbortAction

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
Sequence Source -> Destination	Public <anonymous>	Public actions_Asynchronous AbortAction	
Sequence 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}
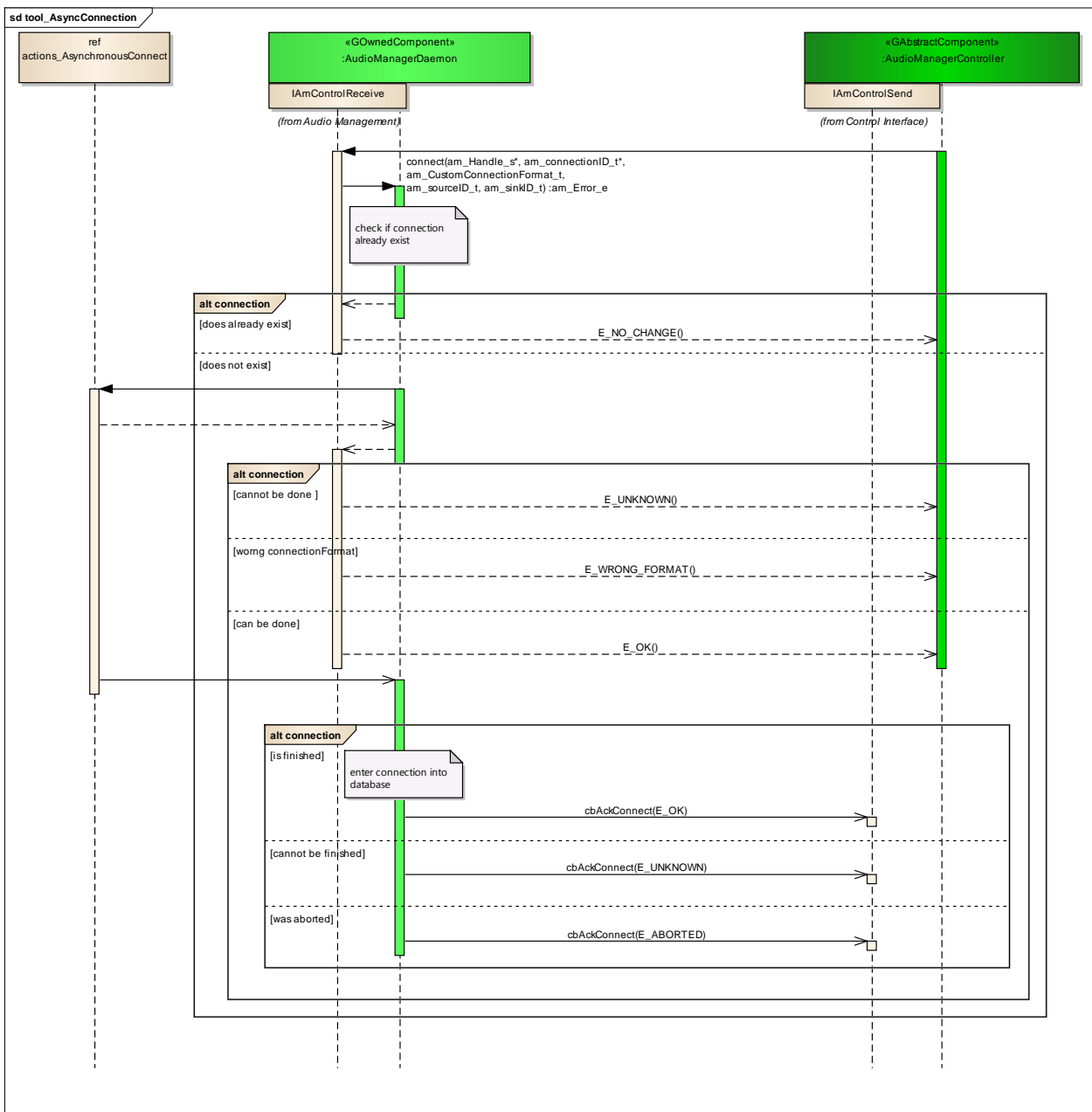
Figure: 10

actions_AsynchronousConnect

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
Sequence Source -> Destination	Public <anonymous>	Public actions_Asynchronous Connect	
Sequence Source -> Destination	Public actions_Asynchronous Connect	Public <anonymous>	
Sequence 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}
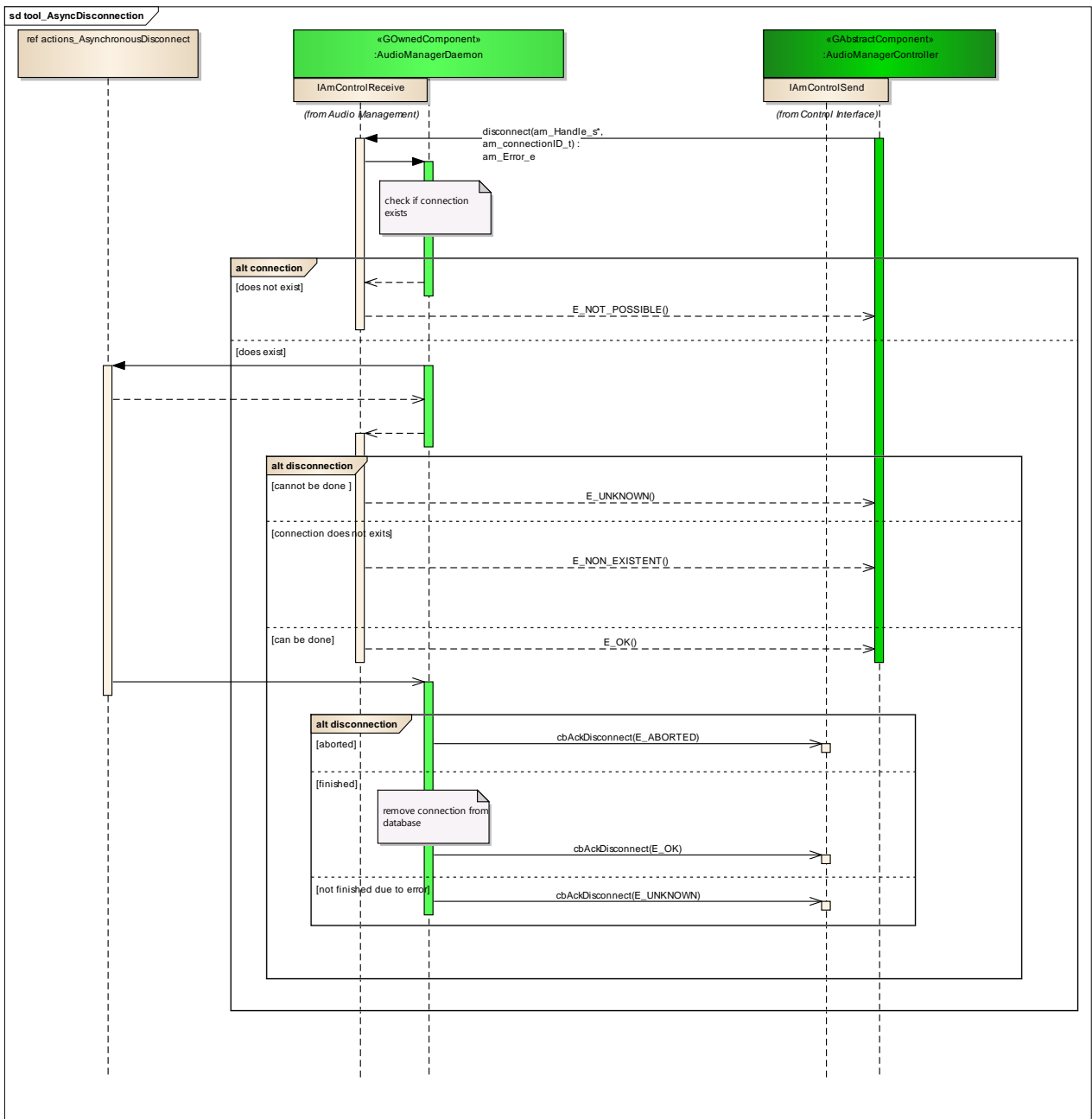
Figure: 11

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
Sequence Source -> Destination	Public <anonymous>	Public actions_Asynchronous Disconnect	
Sequence Source -> Destination	Public actions_Asynchronous Disconnect	Public <anonymous>	
Sequence 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_AsynchronouSetSourceSoundPropert

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
Sequence Source -> Destination	Public <anonymous>	Public actions_AsynchronouSe tSourceSoundPropert	
Sequence Source -> Destination	Public actions_AsynchronouSe tSourceSoundPropert	Public <anonymous>	
Sequence Source -> Destination	Public actions_AsynchronouSe 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}
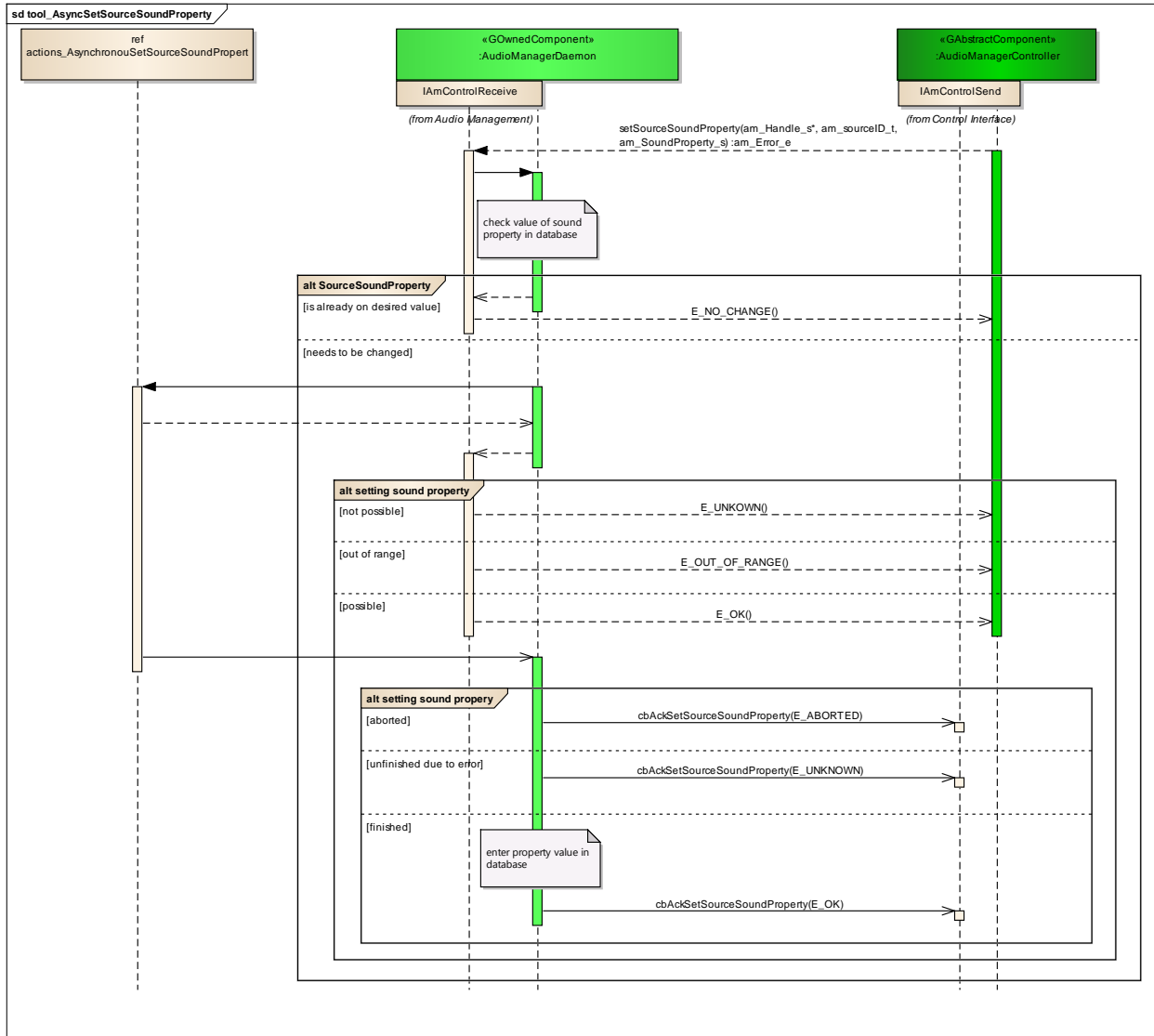
setting sound propery

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}
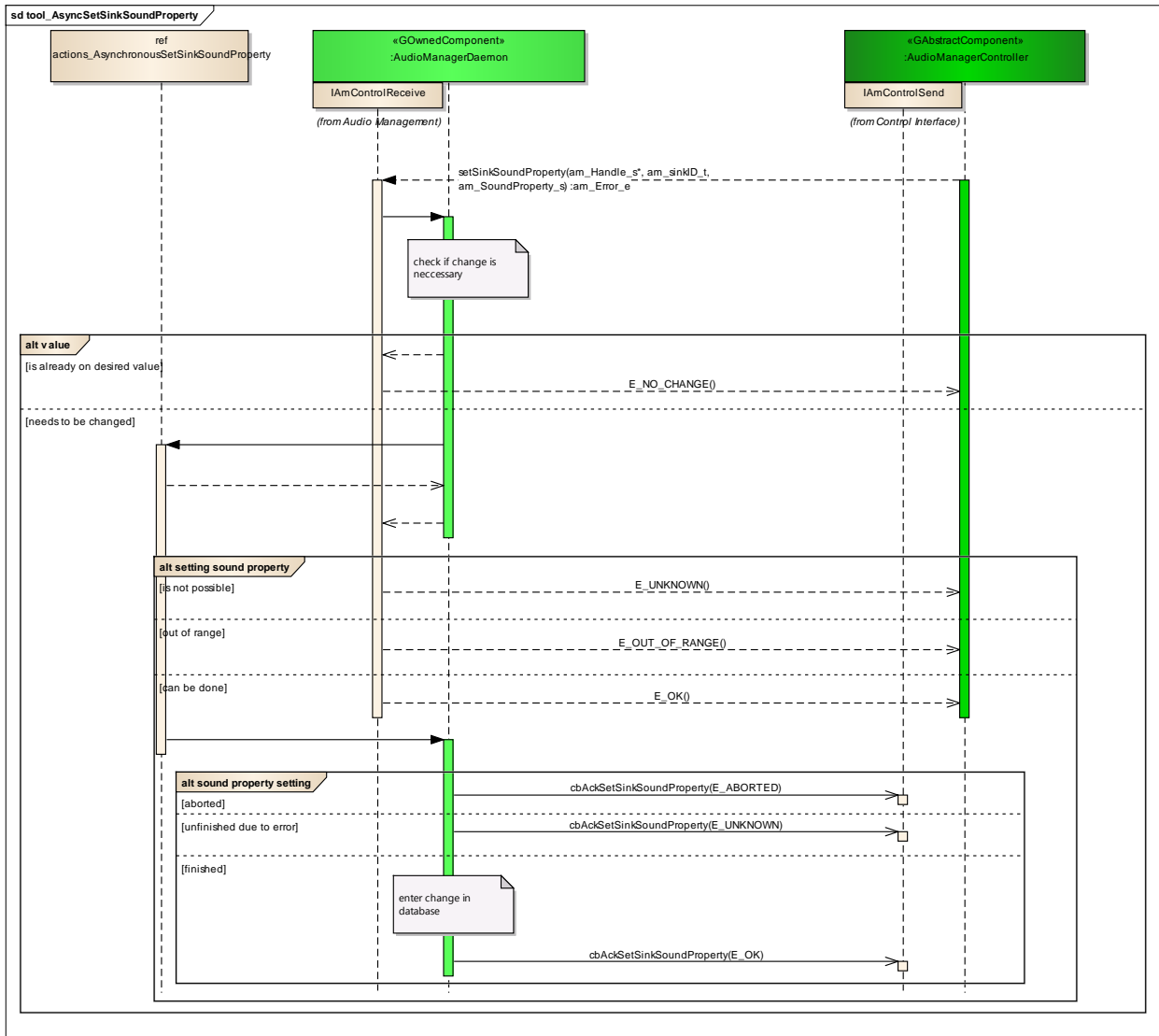
Figure: 13

actions_AsynchronousSetSinkSoundProperty

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
Sequence Source -> Destination	Public <anonymous>	Public actions_AsynchronousSetSinkSoundProperty	
Sequence Source -> Destination	Public actions_AsynchronousSetSinkSoundProperty	Public <anonymous>	
Sequence Source -> Destination	Public actions_AsynchronousSetSinkSoundProperty	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}
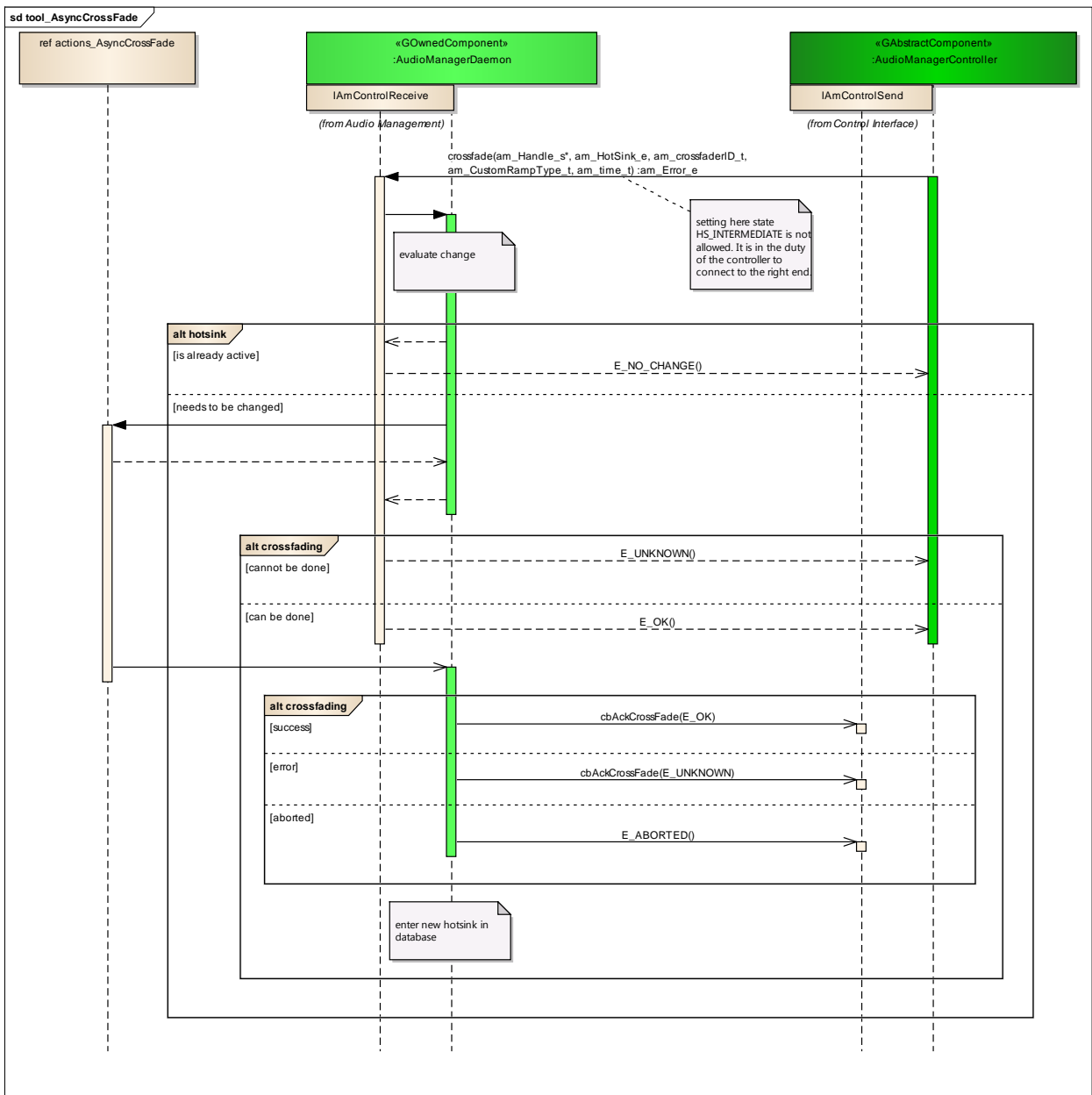
Figure: 14

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
Sequence Source -> Destination	Public <anonymous>	Public actions_AsyncCrossFade	
Sequence Source -> Destination	Public actions_AsyncCrossFade	Public <anonymous>	
Sequence Source -> Destination	Public actions_AsyncCrossFade	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}
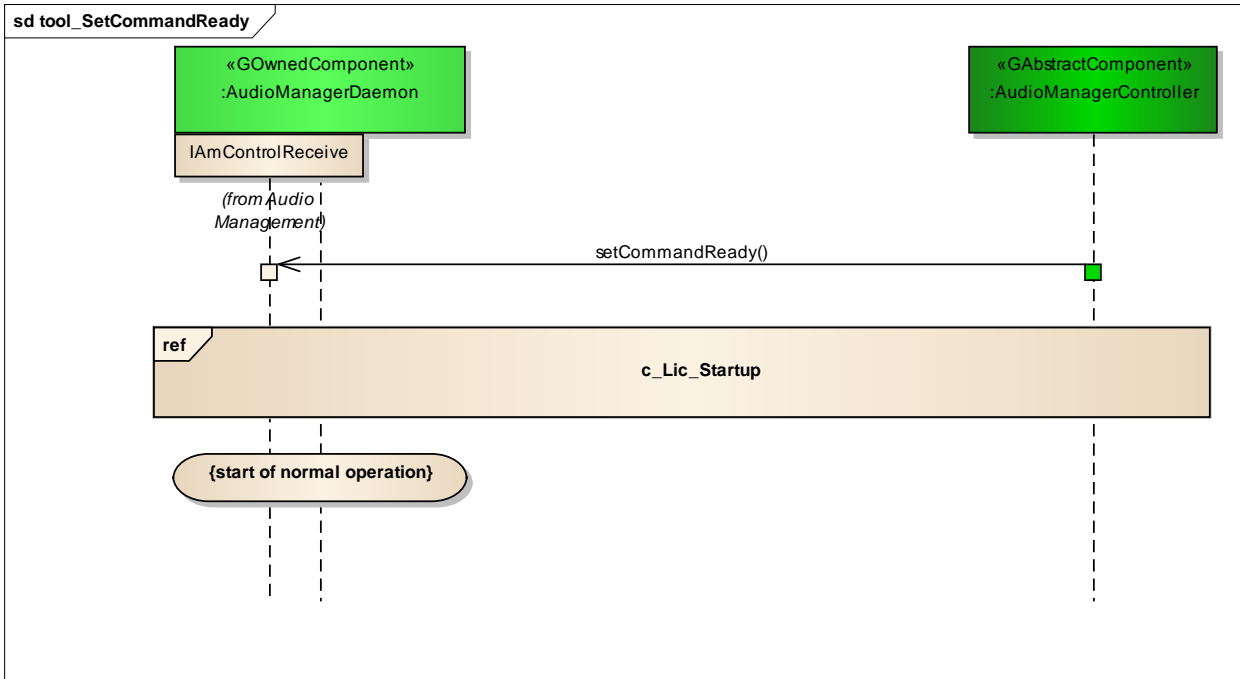
Figure: 15

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}
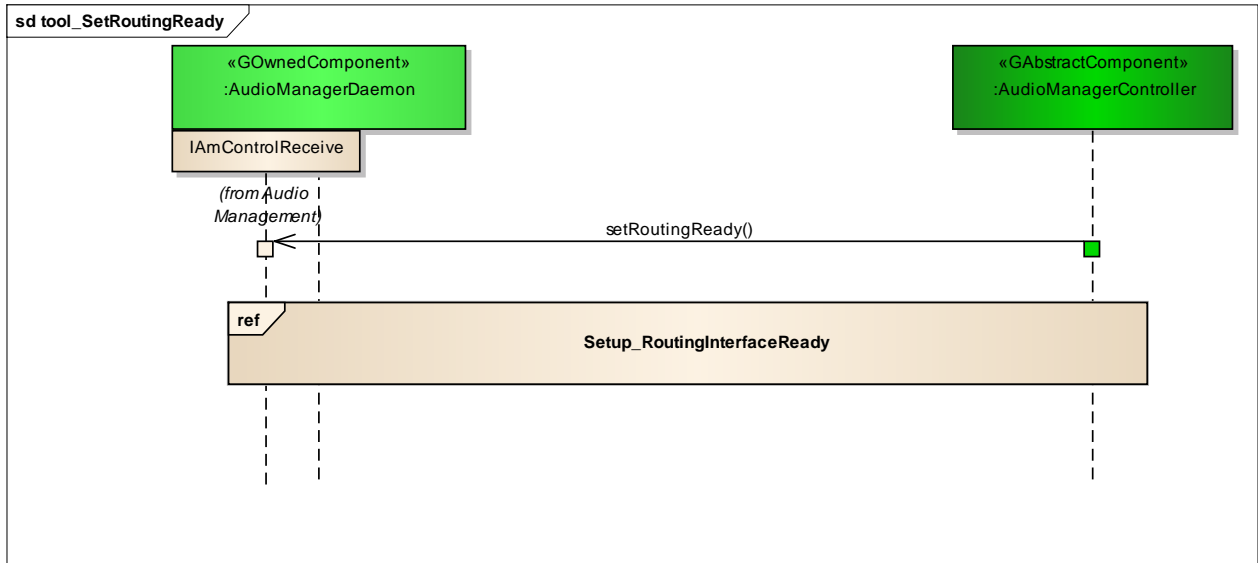
Figure: 16

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}
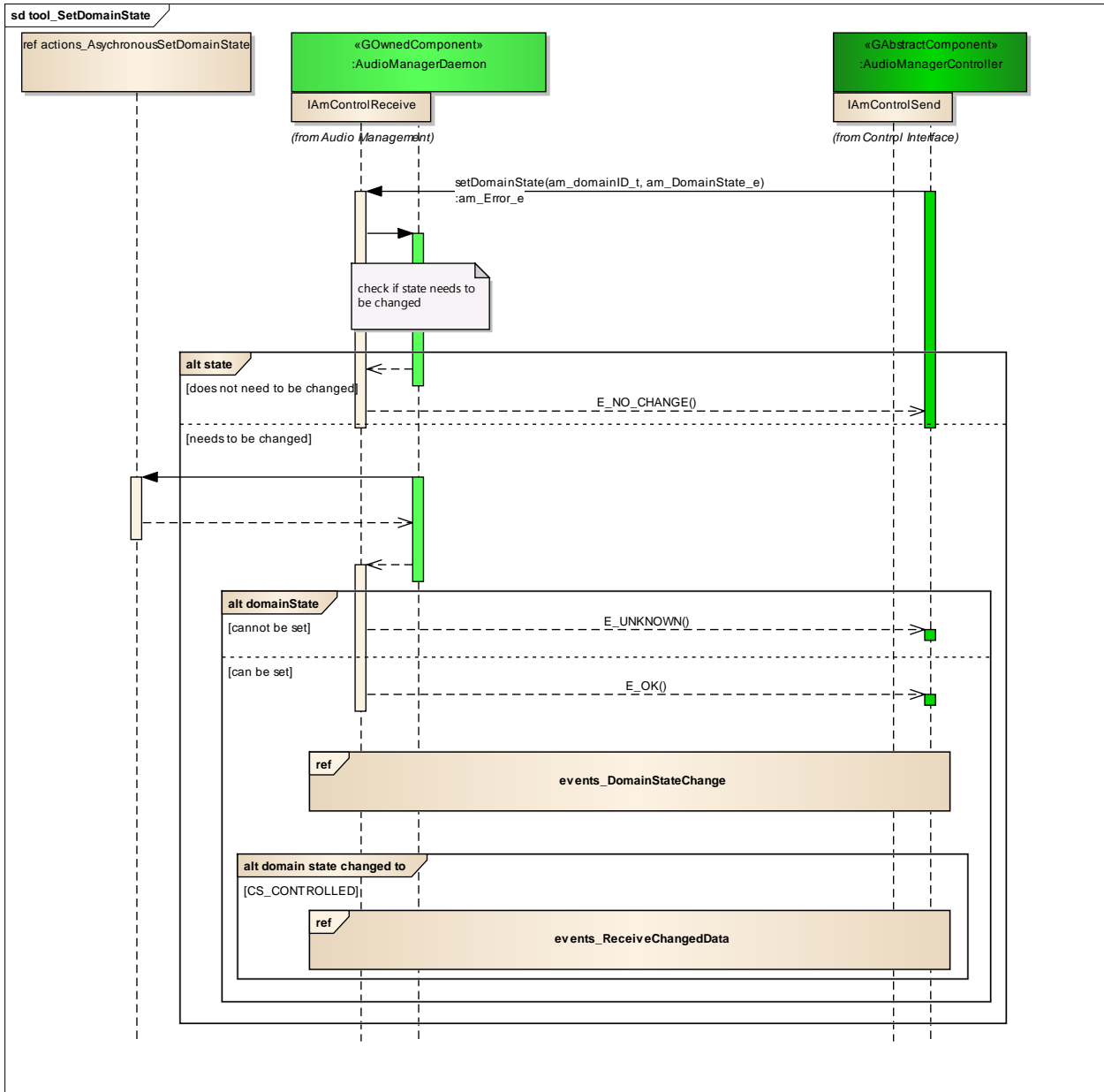
Figure: 17

actions_AsychronousSetDomainState

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
Sequence Source -> Destination	Public <anonymous>	Public actions_AsychronousSe tDomainState	
Sequence Source -> Destination	Public actions_AsychronousSe 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}
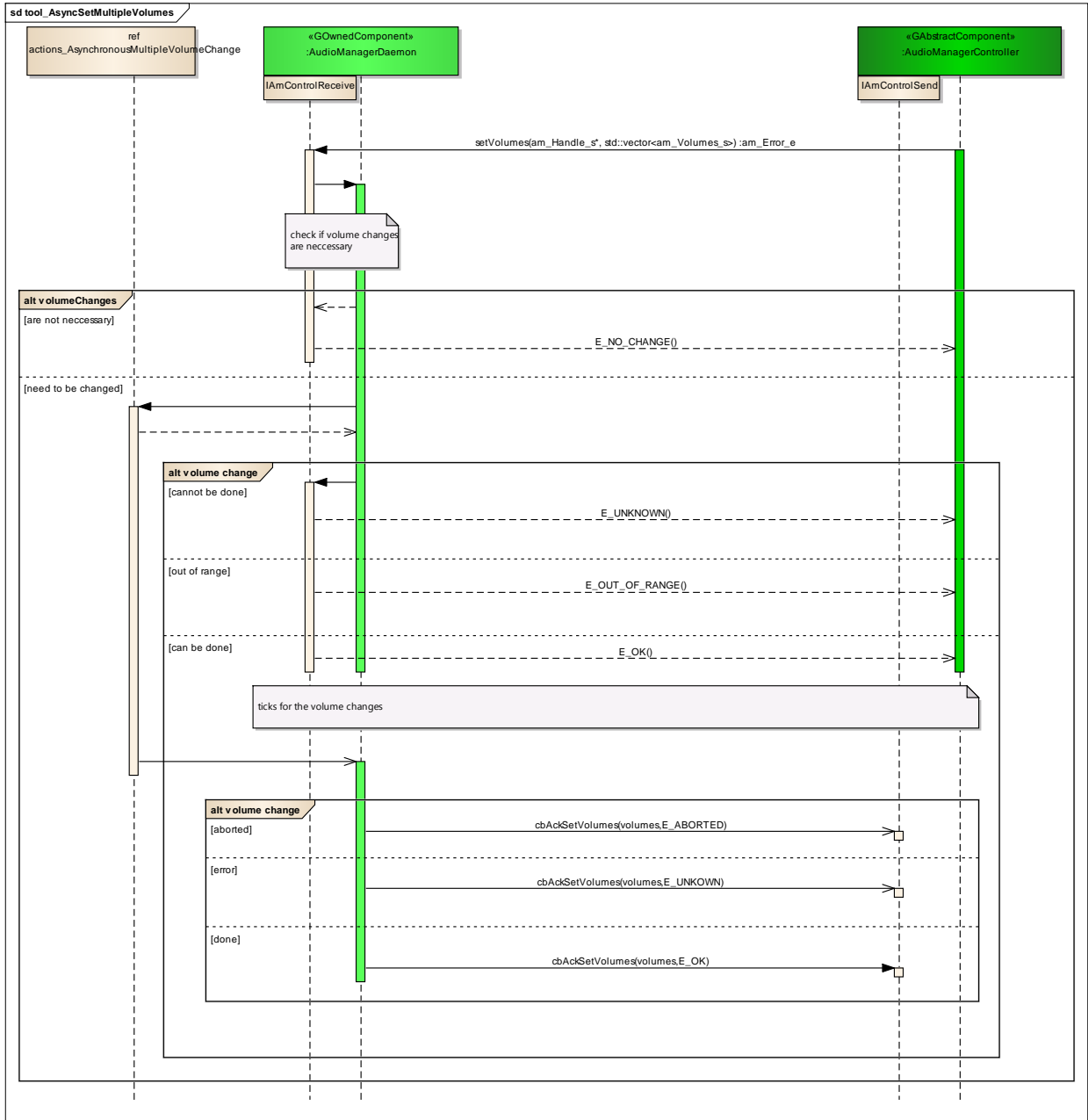
Figure: 18

actions_AsynchronousMultipleVolumeChange

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
Sequence Source -> Destination	Public <anonymous>	Public actions_Asynchronous MultipleVolumeChange	
Sequence Source -> Destination	Public actions_Asynchronous MultipleVolumeChange	Public <anonymous>	
Sequence 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 deamon 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}
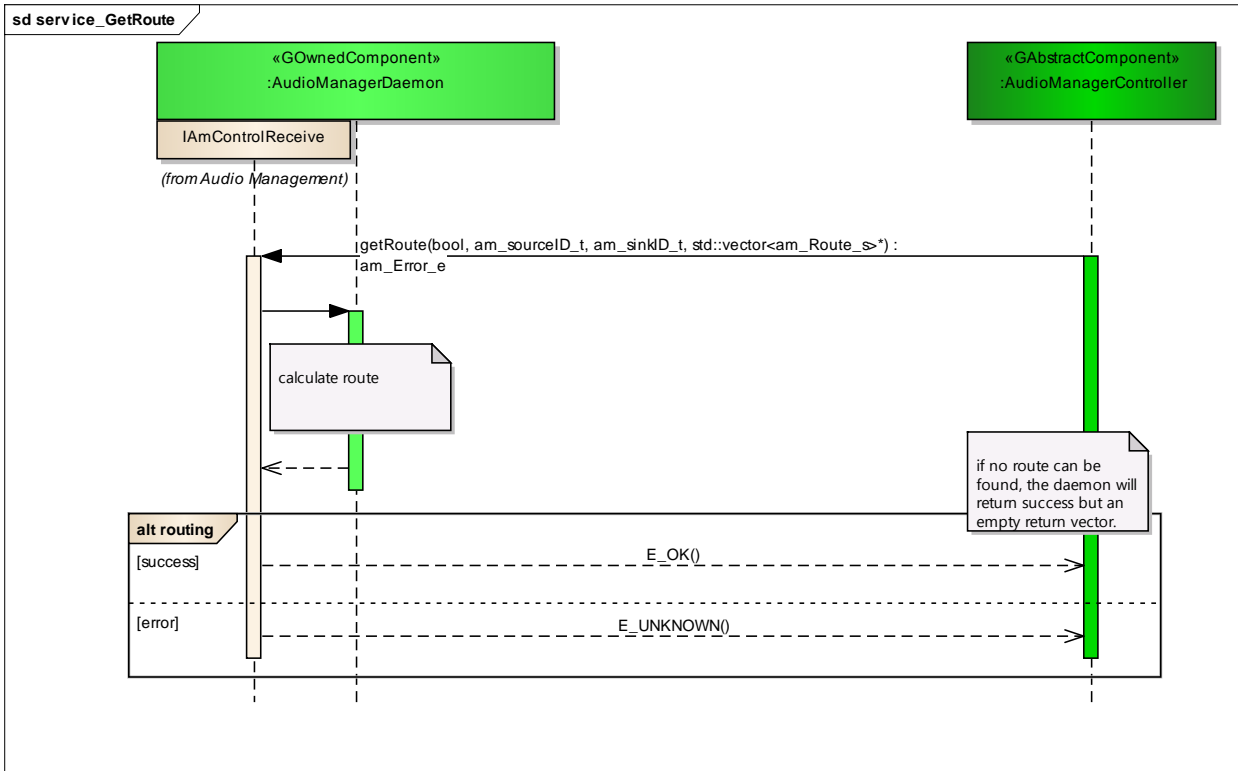
Figure: 19

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}
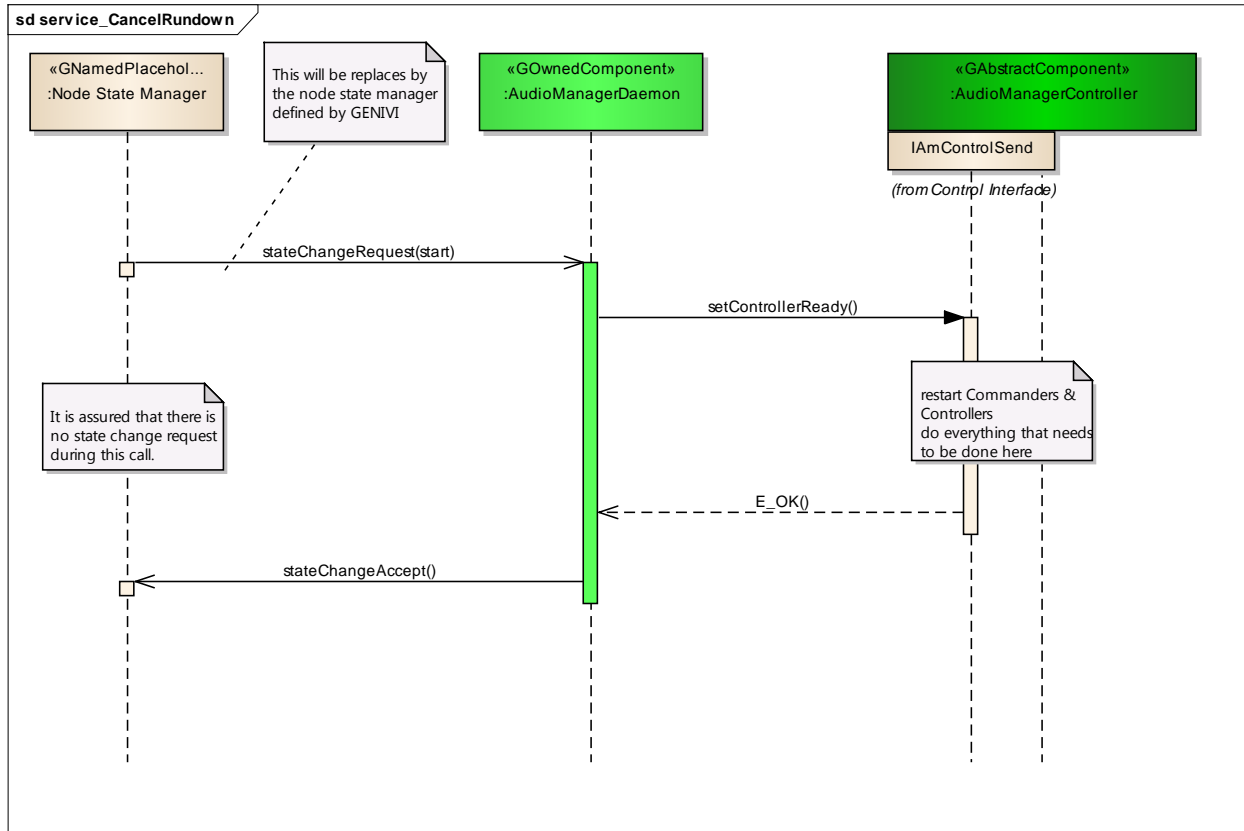
Figure: 20

<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
NoteLink	Public <anonymous>	Public <anonymous>	
Sequence stateChangeRequest Source -> Destination	Public <anonymous>	Public <anonymous>	
Sequence	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
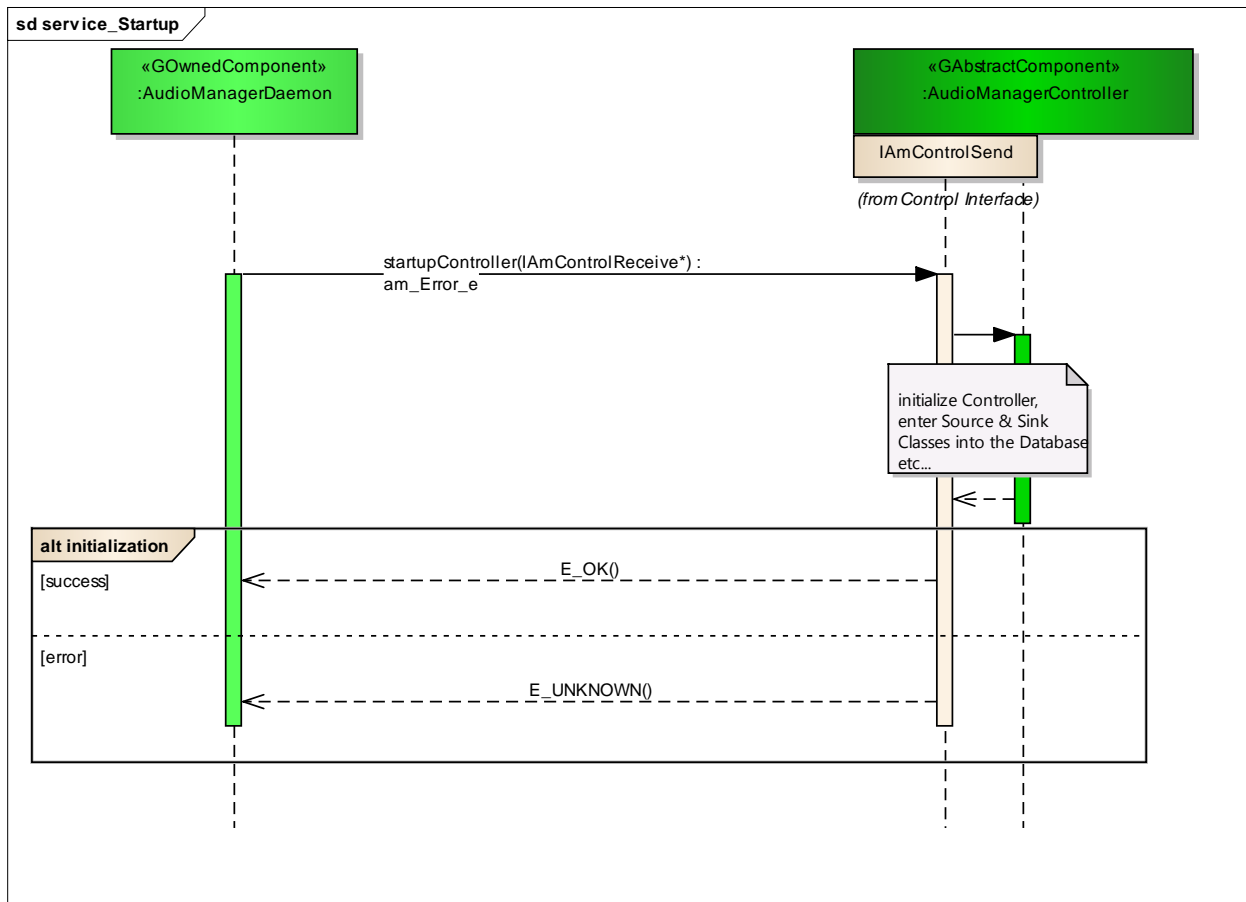*GUID:*   {C1592DFF-A368-4b9e-AEFC-8FEFD788262F}

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

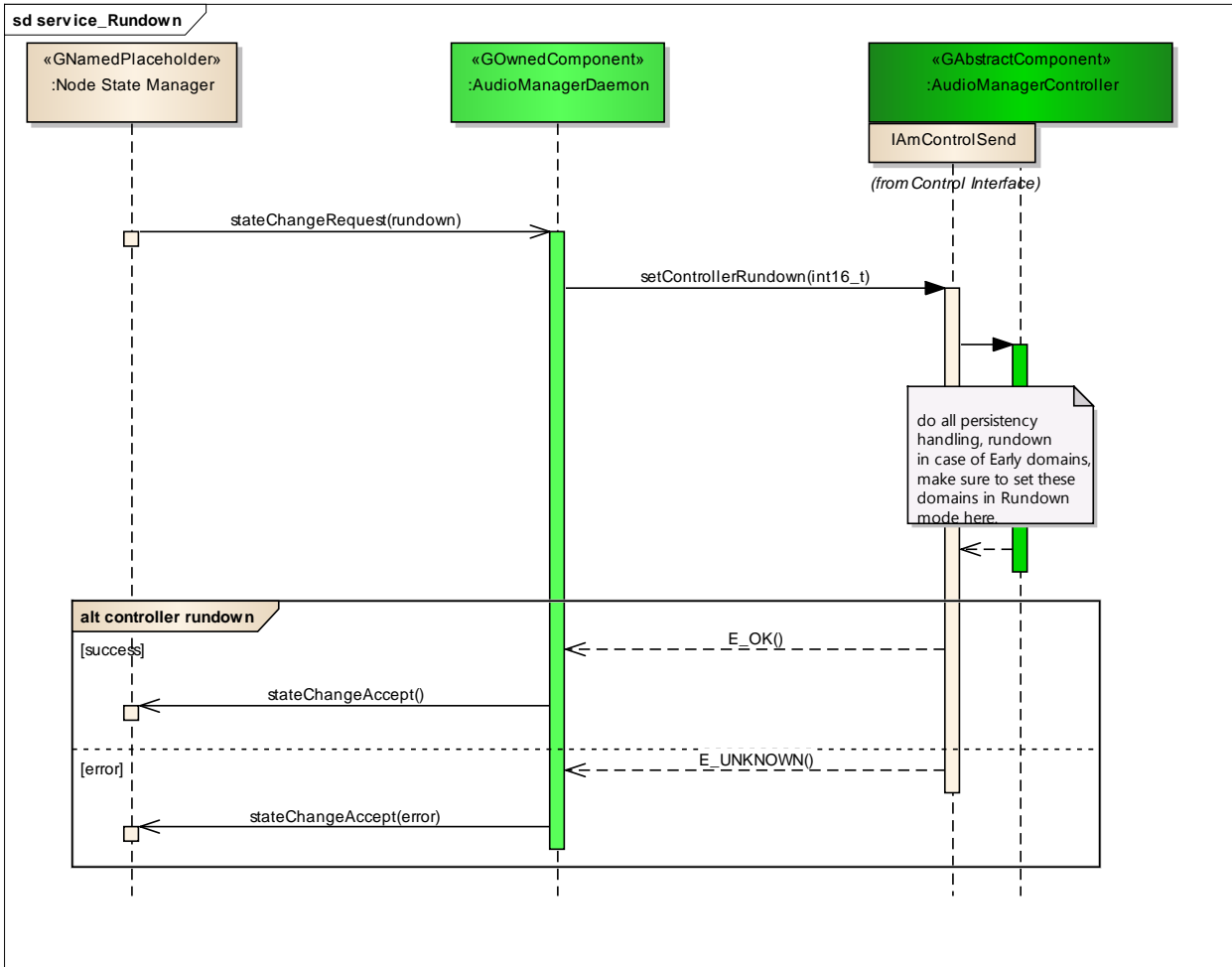| Connector	Source	Target	Notes
Sequence stateChangeRequest Source -> Destination	Public \<anonymous\>	Public \<anonymous\>	
Sequence stateChangeAccept Source -> Destination	Public \<anonymous\>	Public \<anonymous\>	
Sequence stateChangeAccept Source -> Destination	Public \<anonymous\>	Public \<anonymous\>	

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}
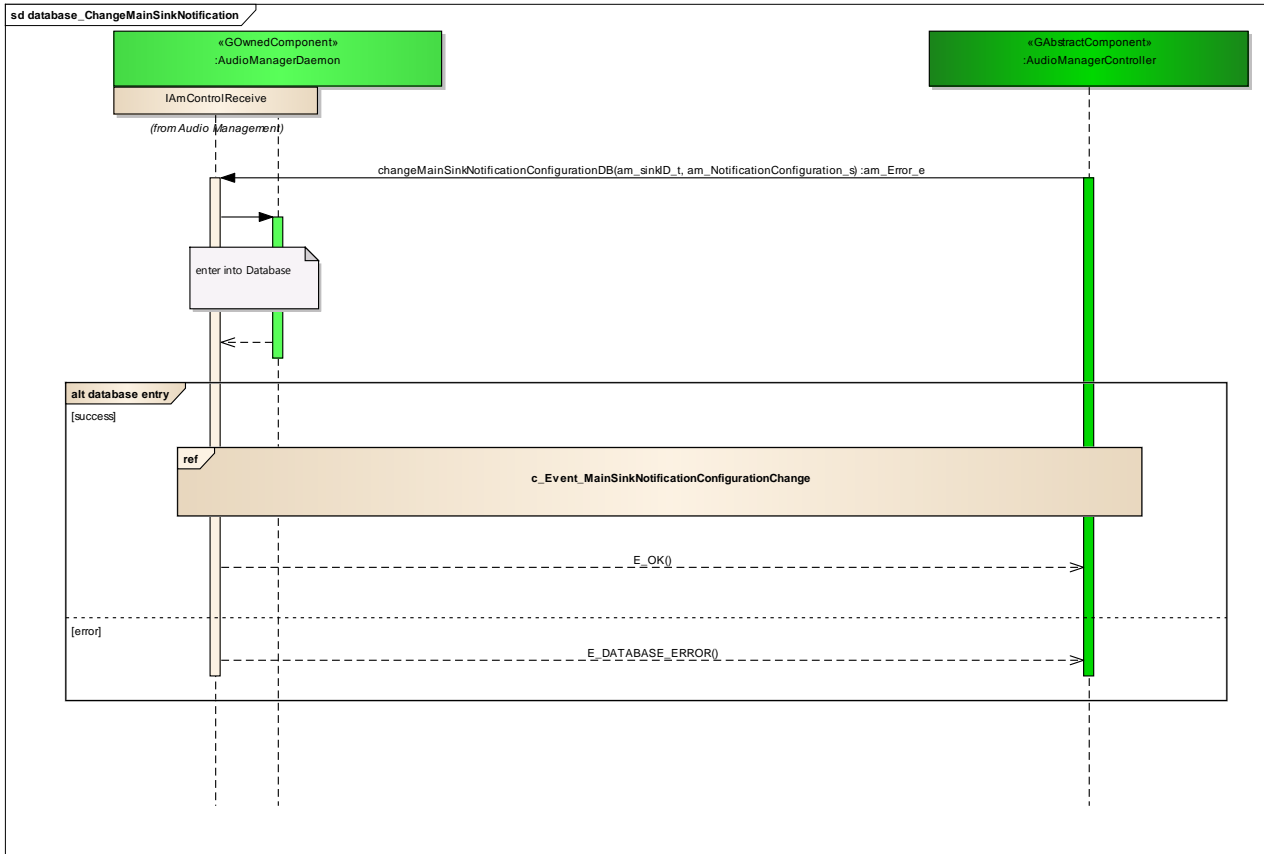
Figure: 23

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}
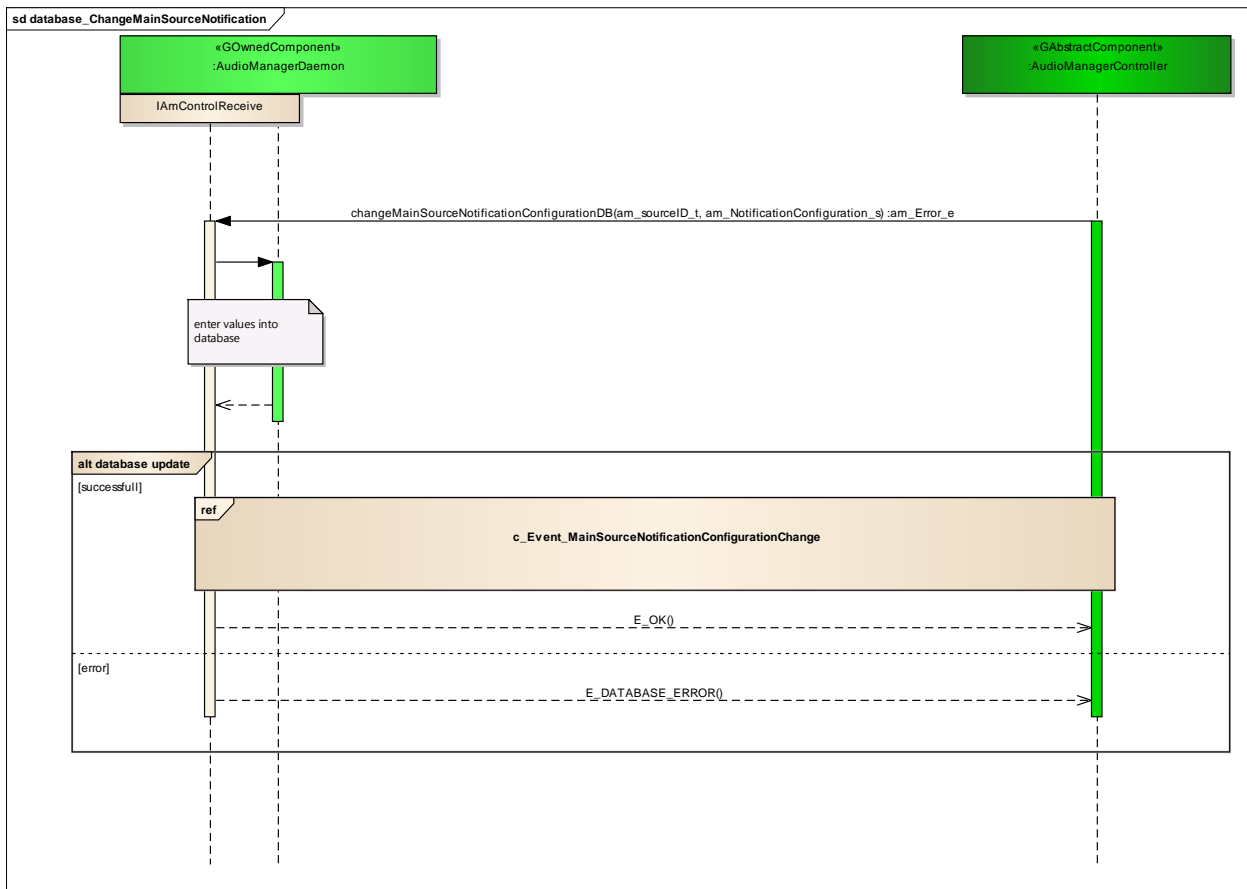
Figure: 24

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
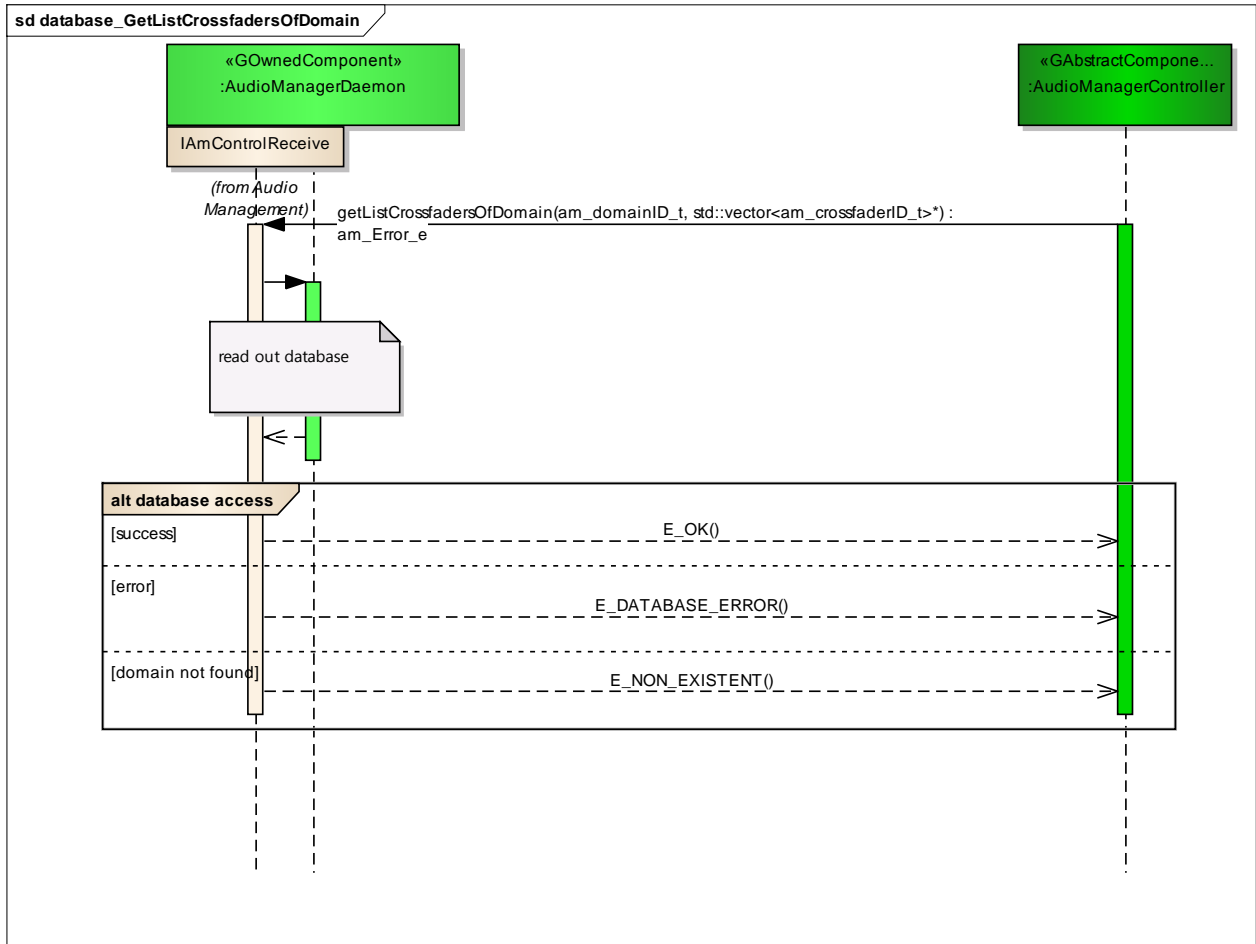*GUID:*   {5A3480C6-7CD0-424f-B94A-E4F50B9360B2}
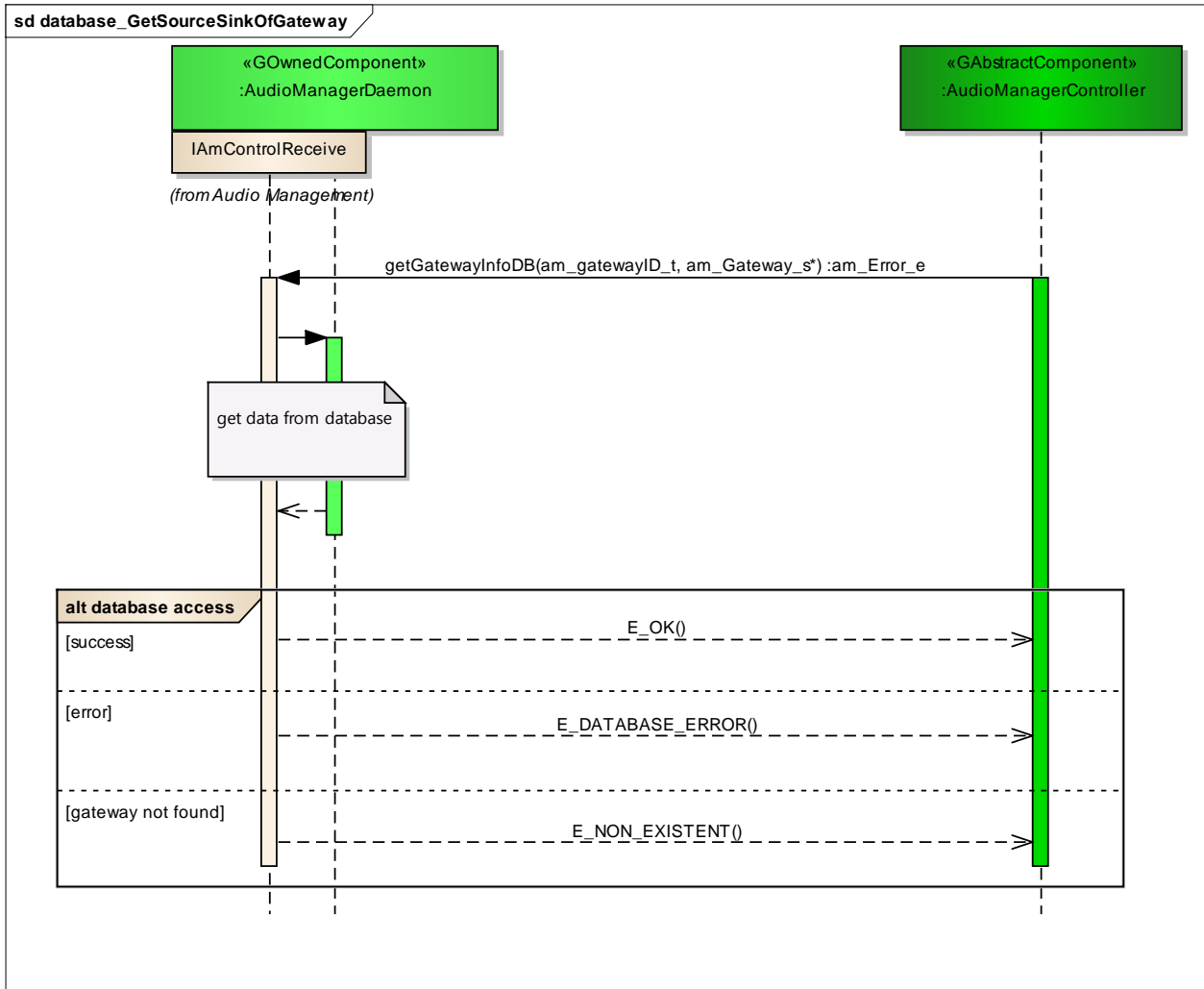
Figure: 26

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

database_GetSourceSinksOfCrossfader - *(Interaction diagram)*
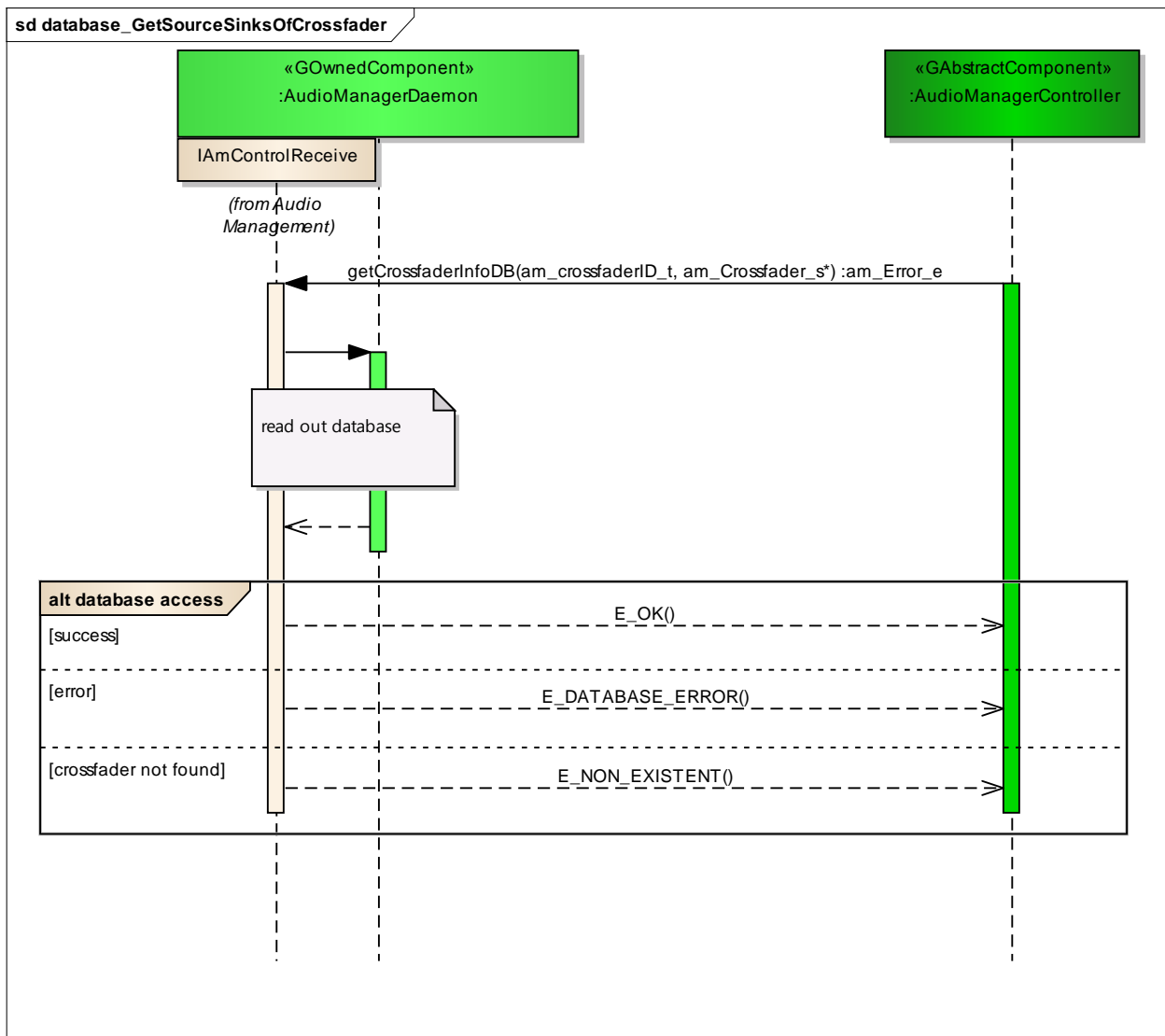
Figure: 27

database access

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:	*Created 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}
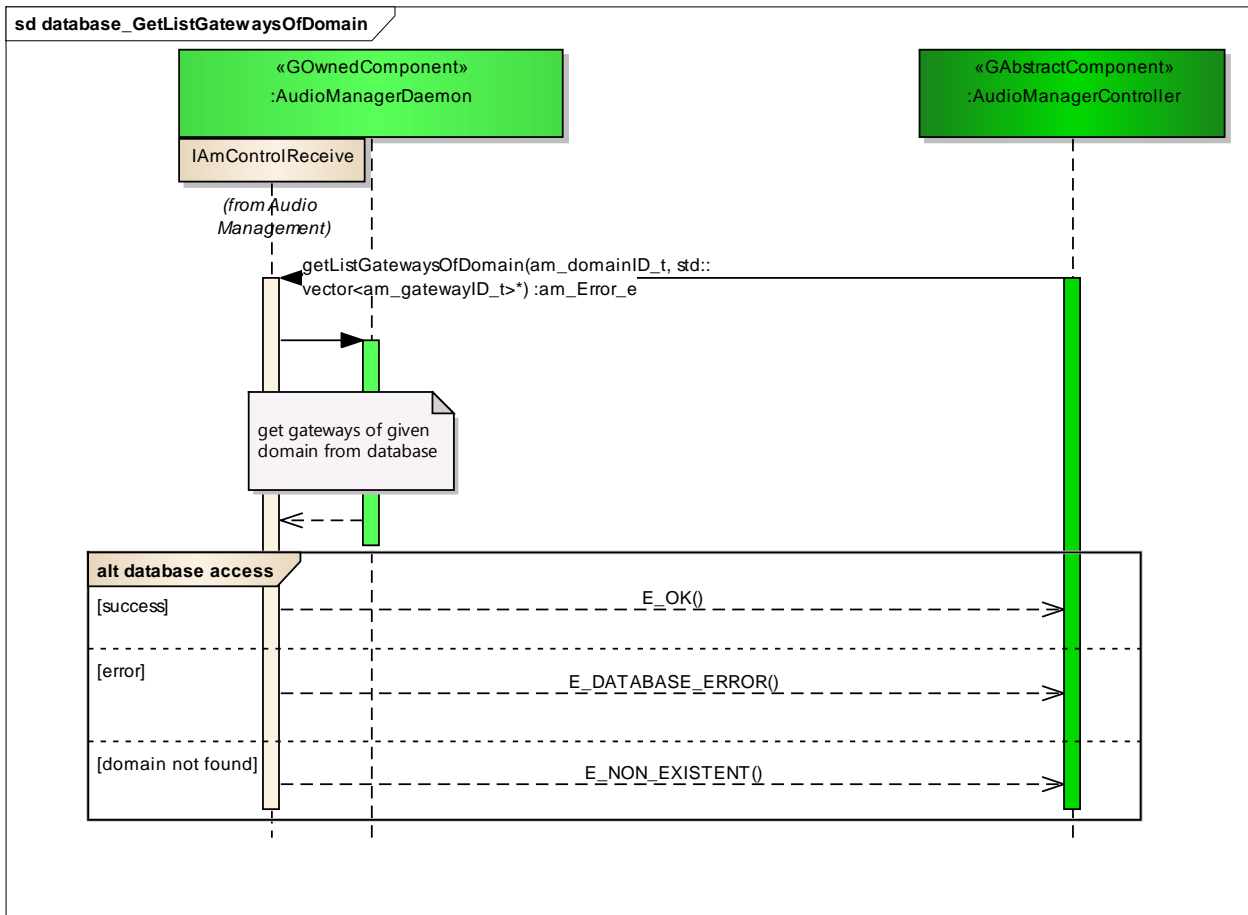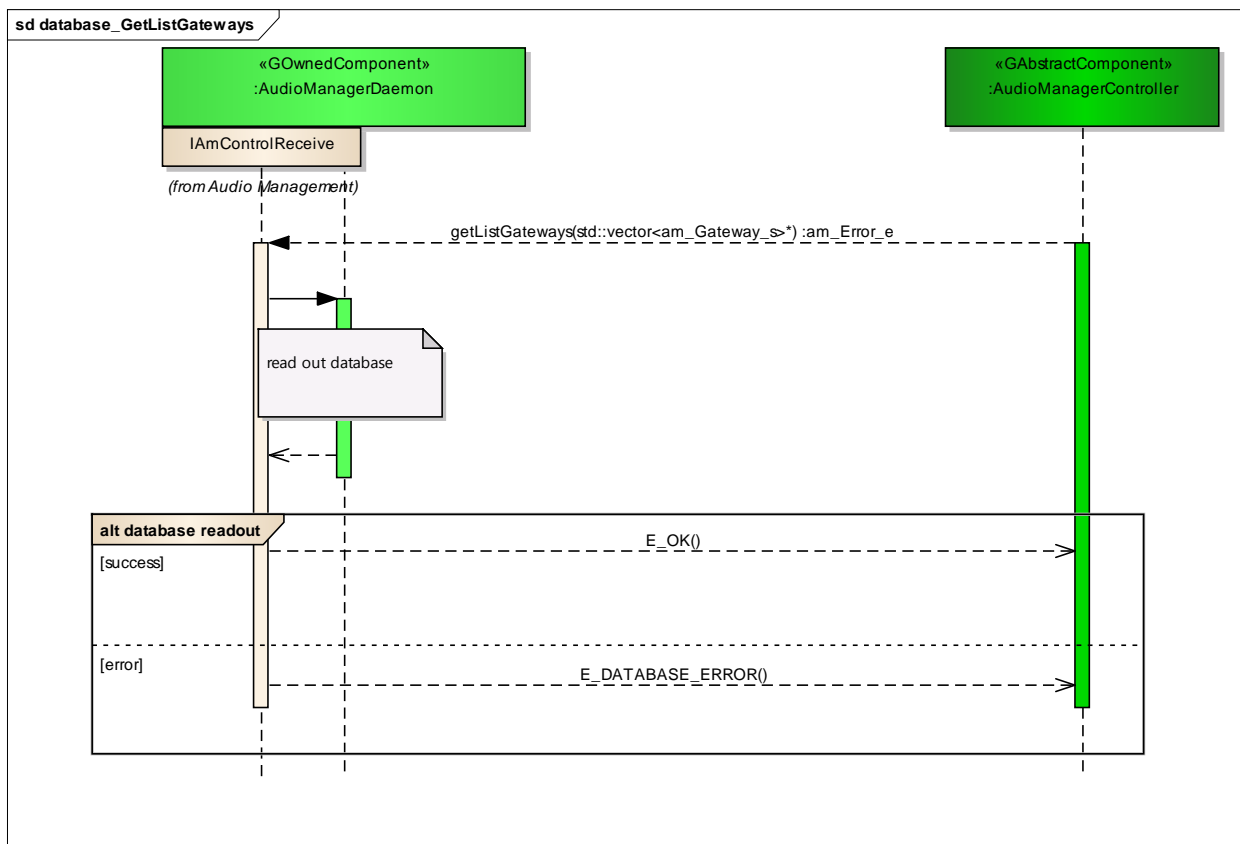

Figure: 31

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}
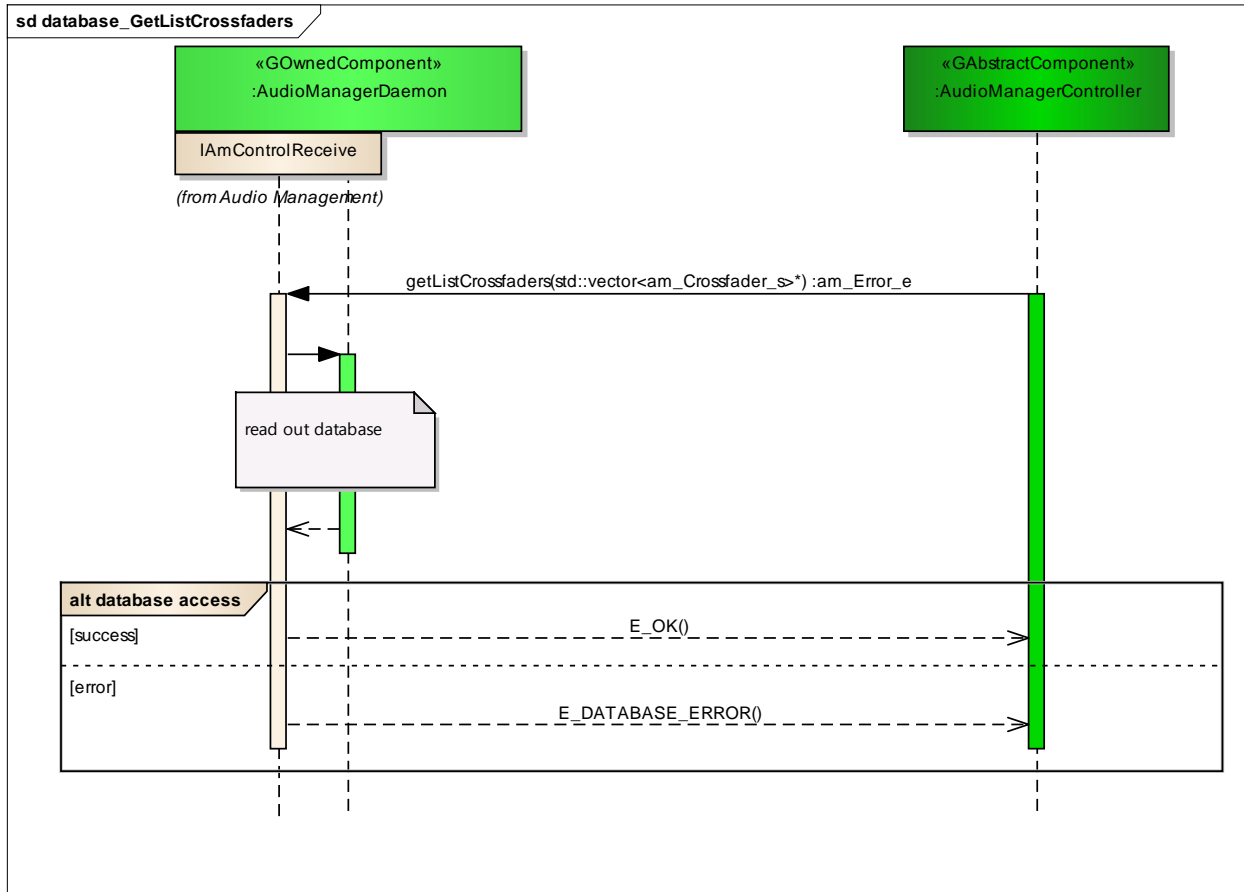

Figure: 32

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}
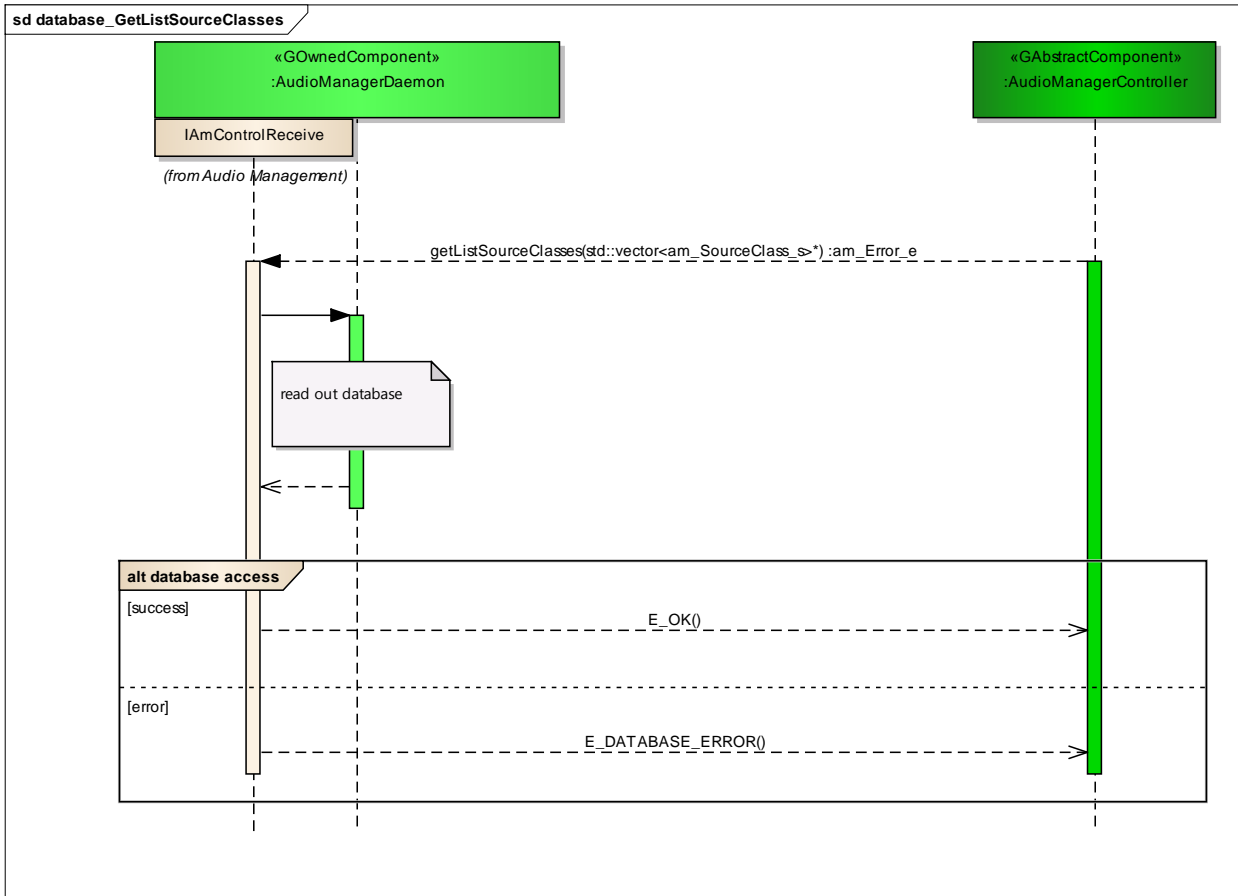
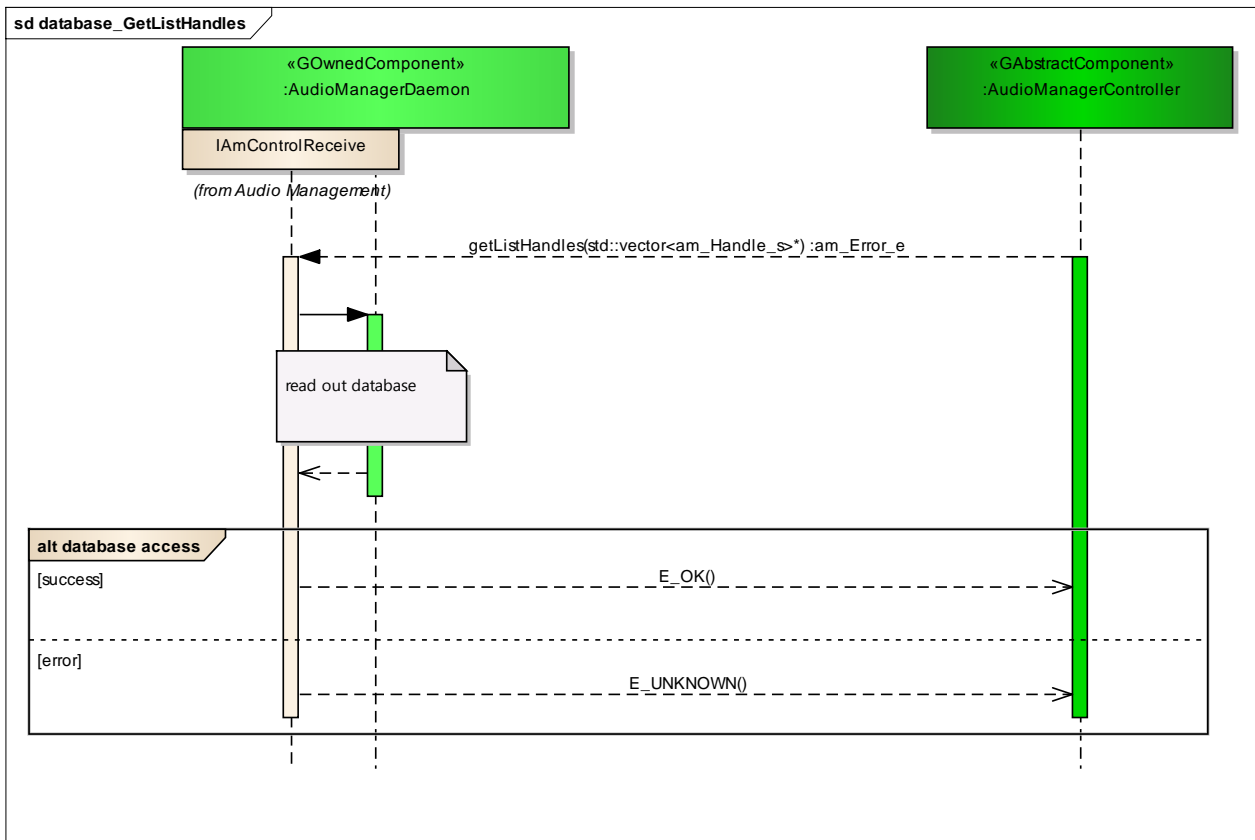

Figure: 33

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: {12FD5F2E-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}
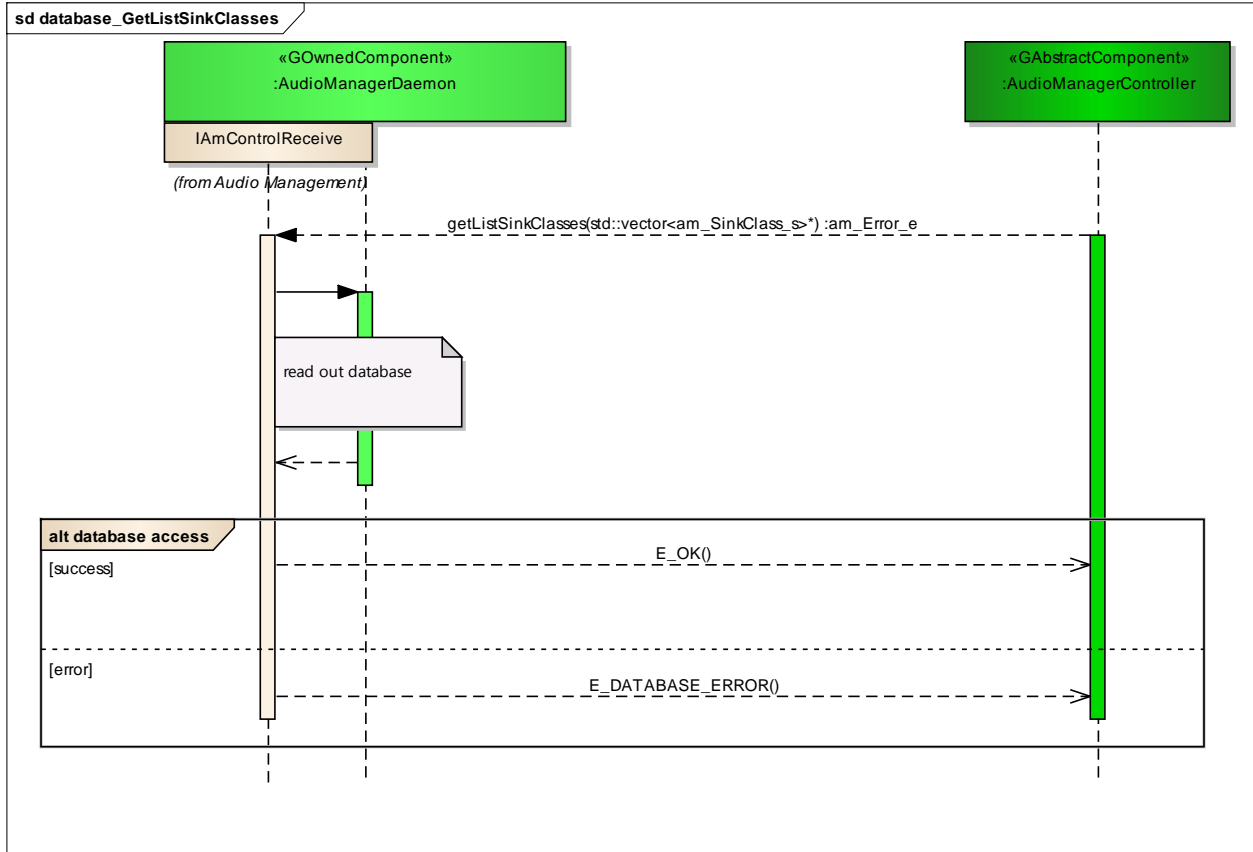

Figure: 34

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}
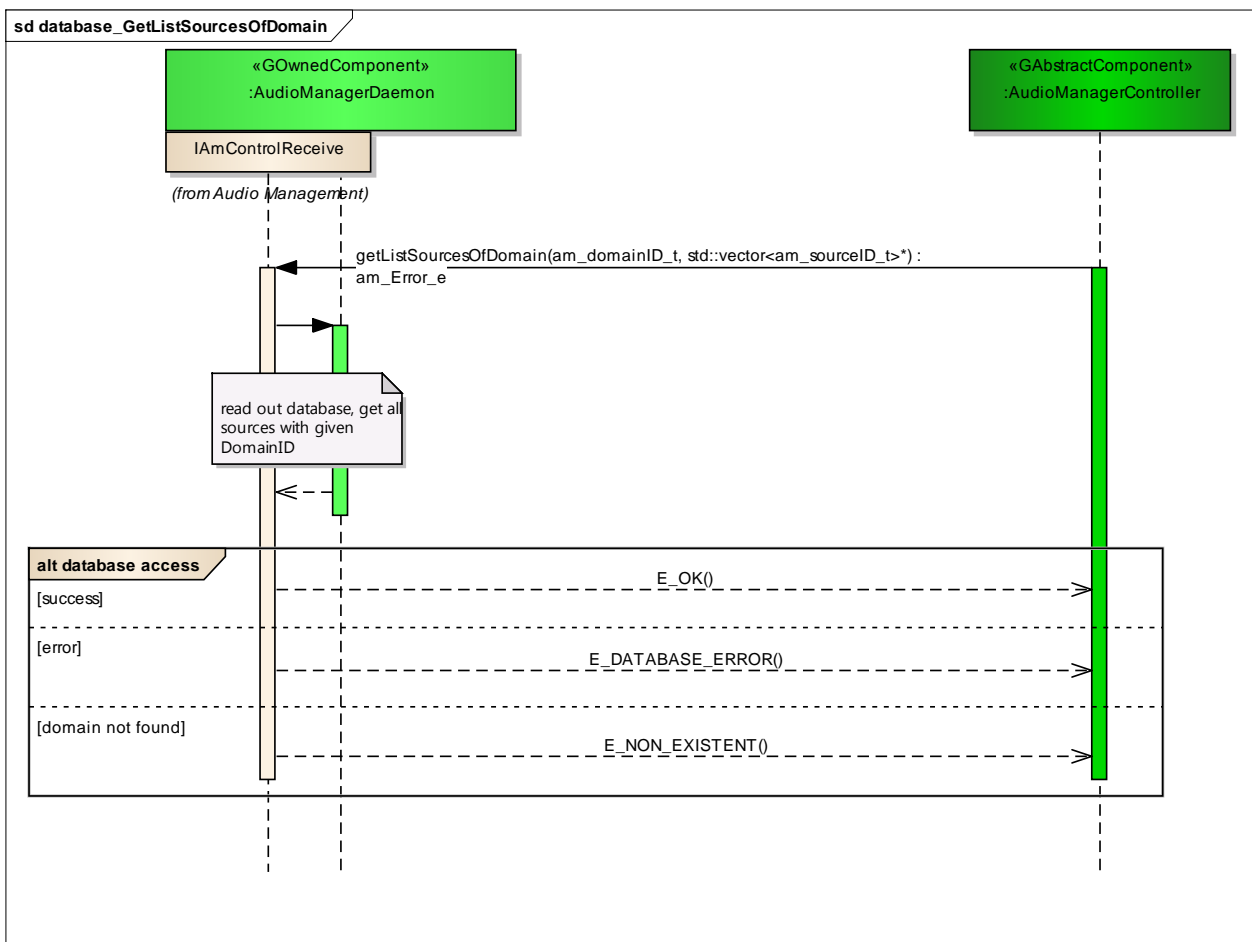
Figure: 35

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}
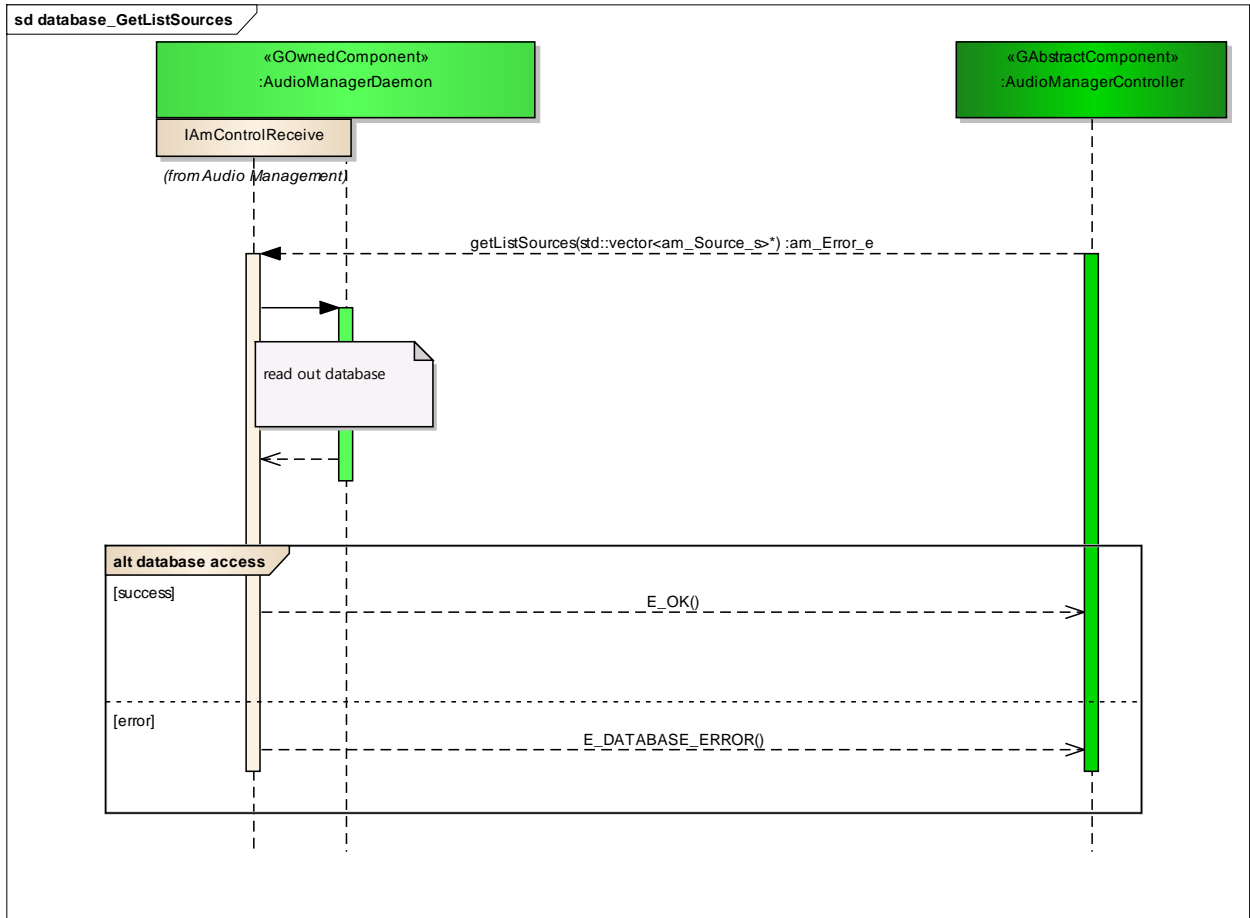

Figure: 36

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}
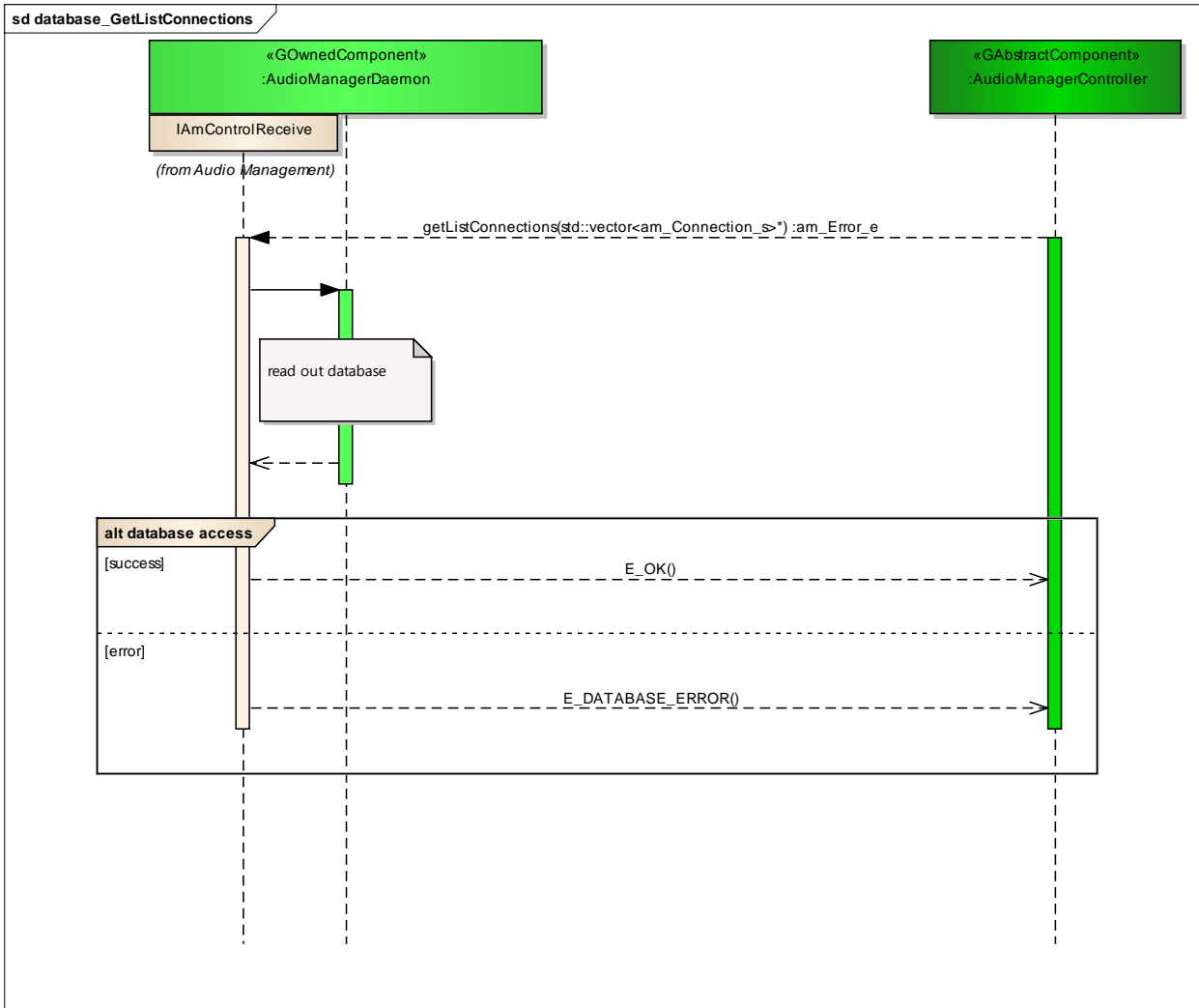
Type:

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}
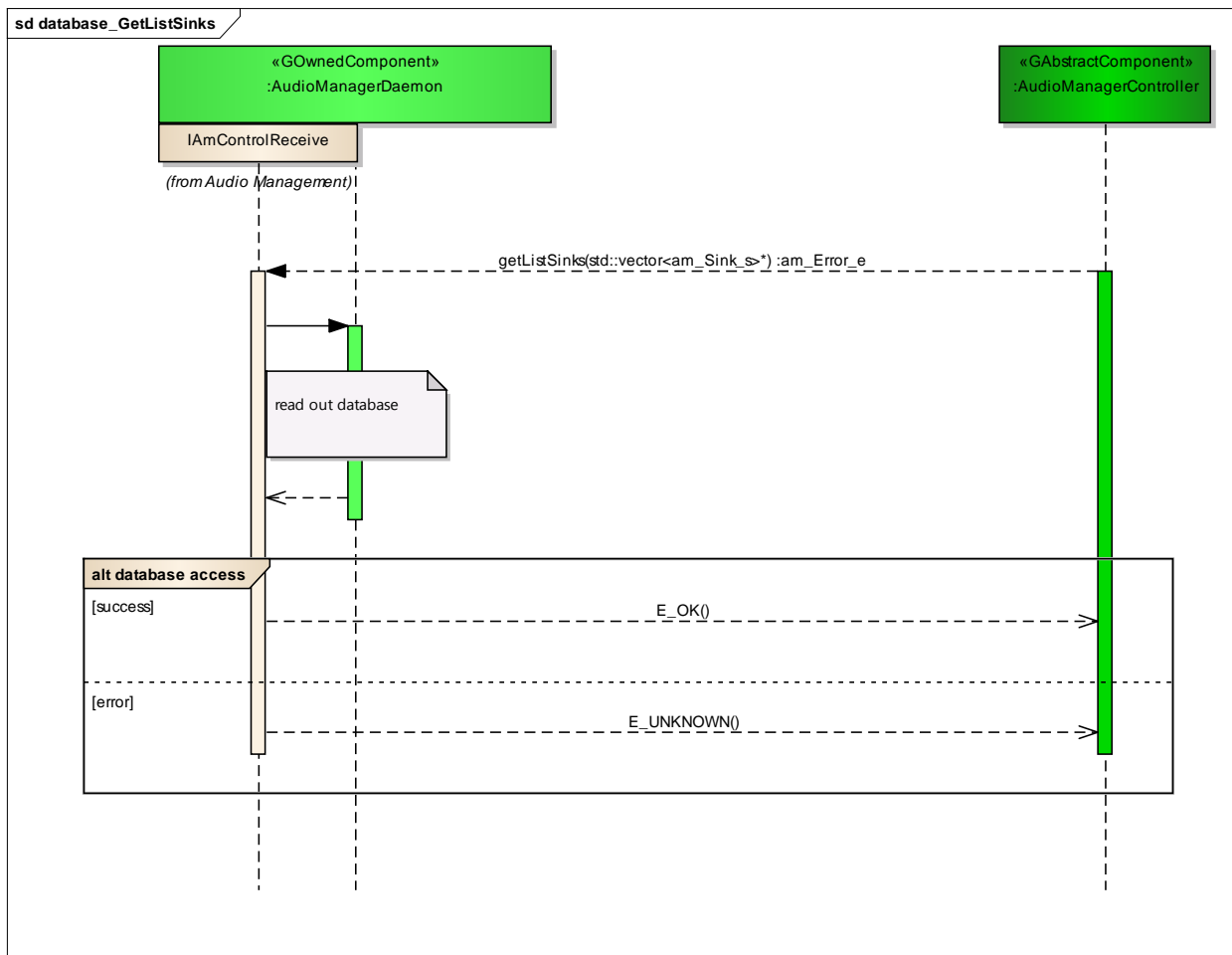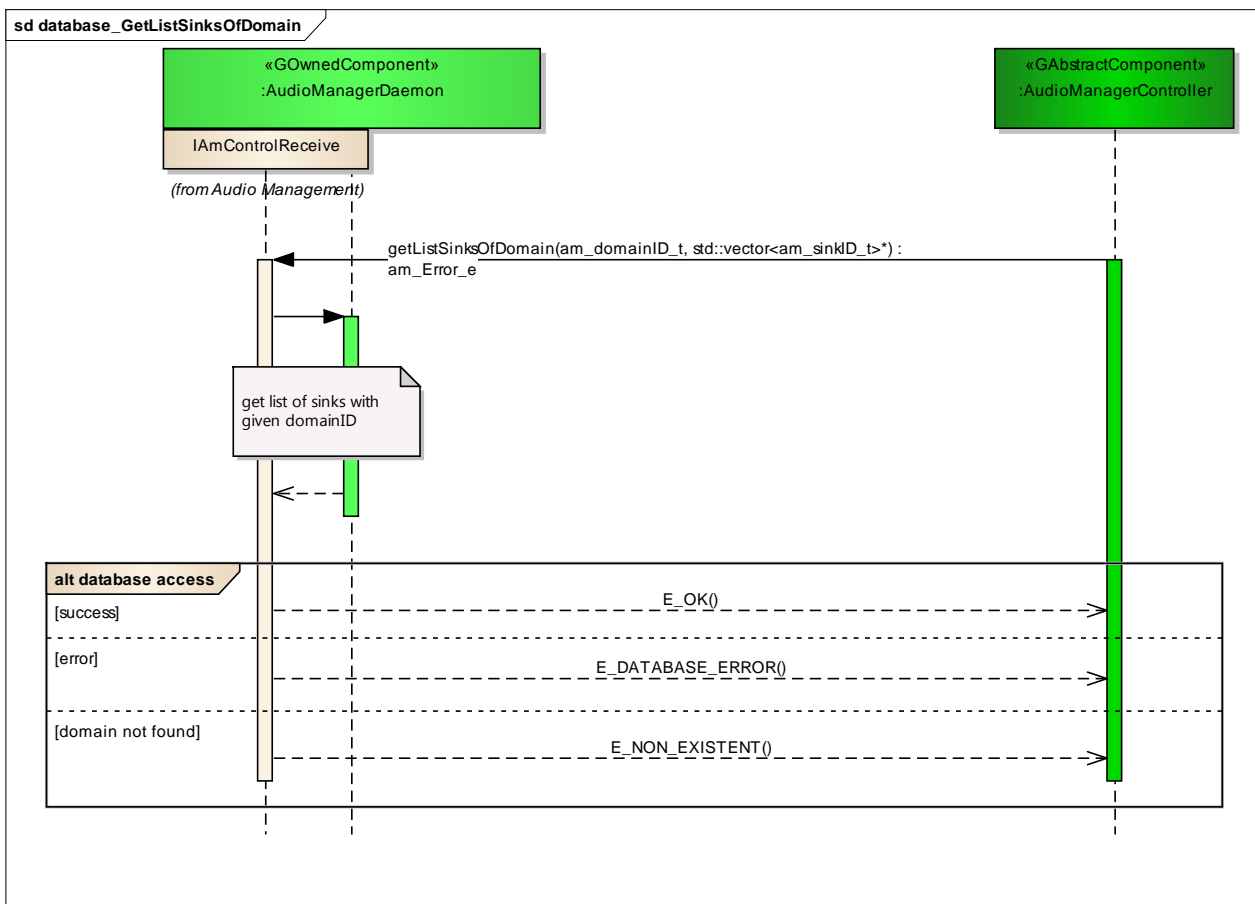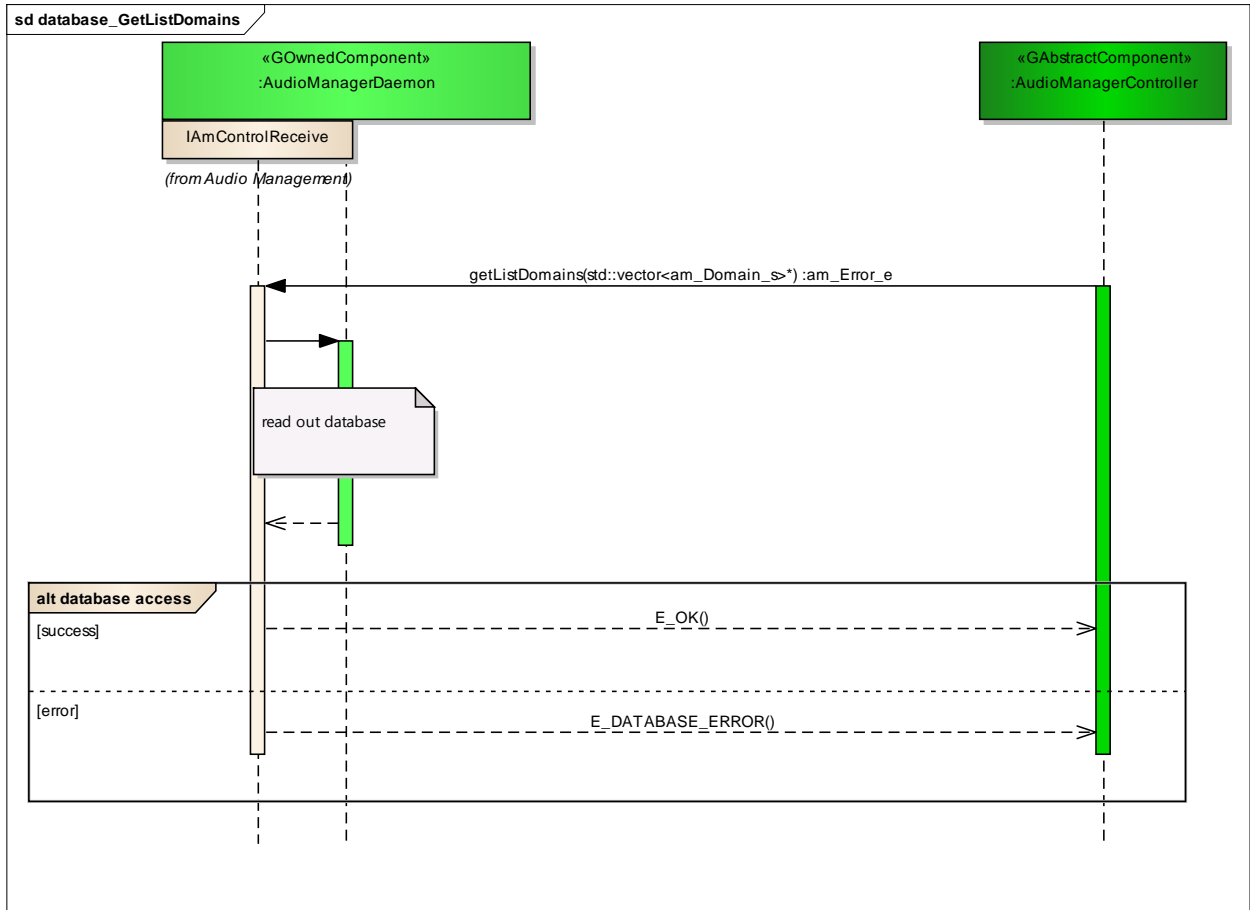

Figure: 39

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}
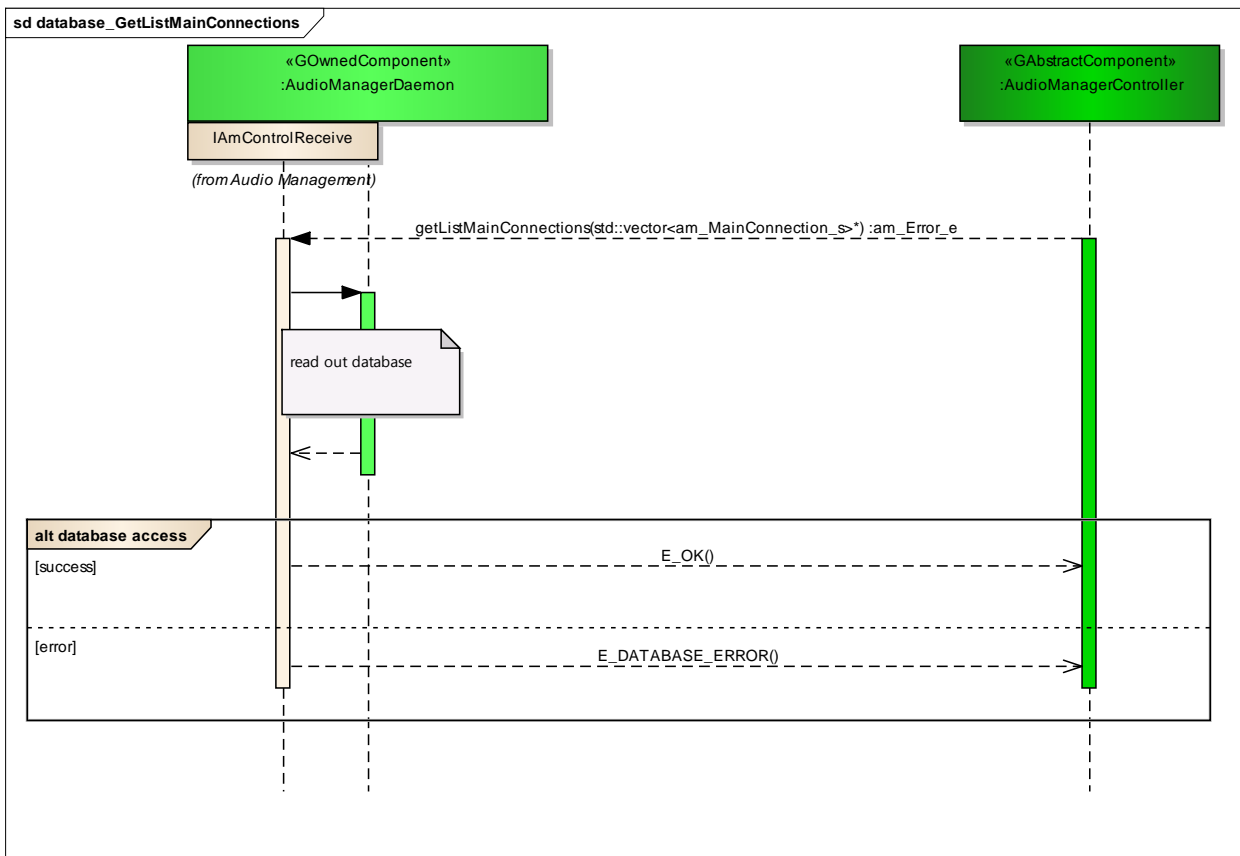
Figure: 40

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}
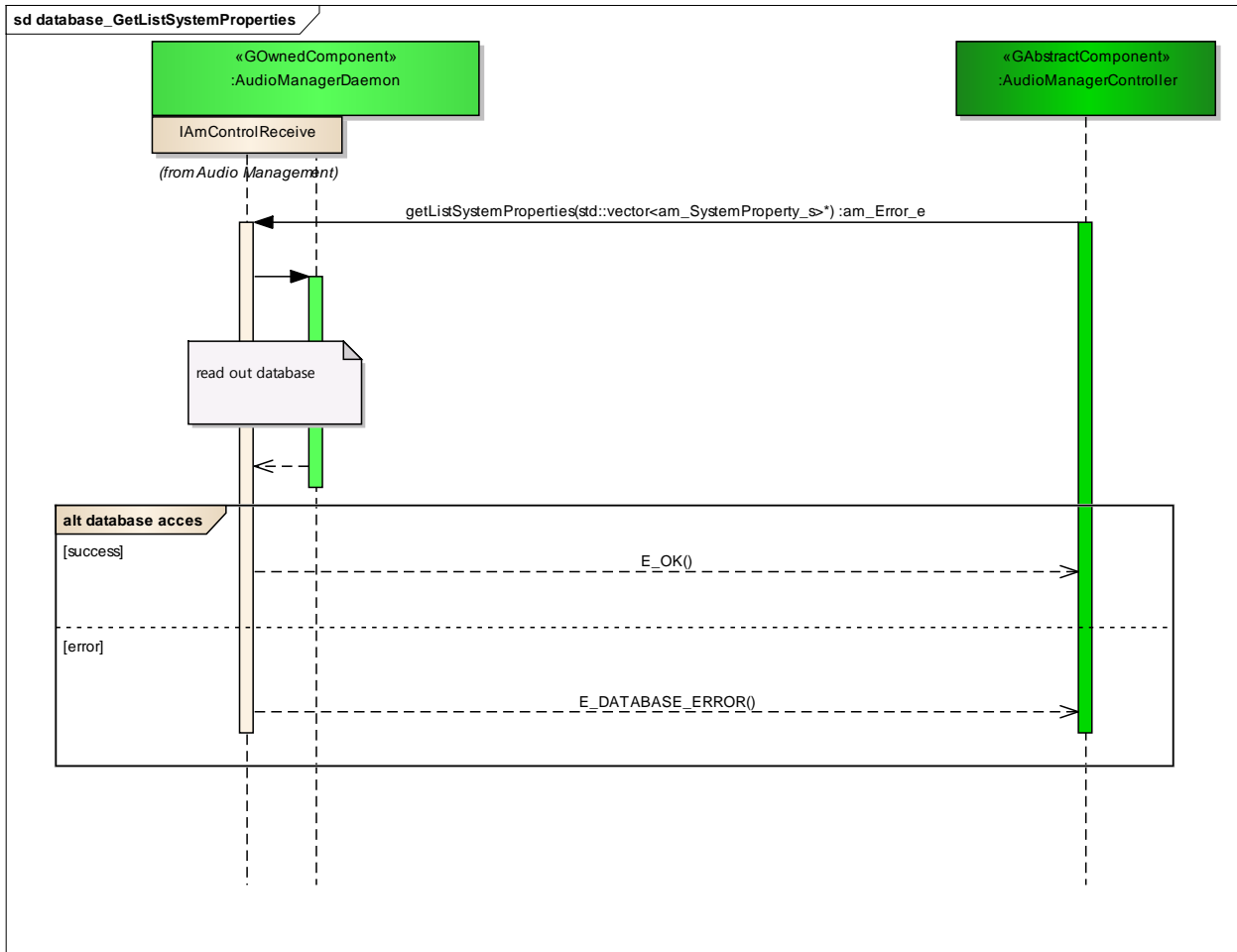
Figure: 41

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}
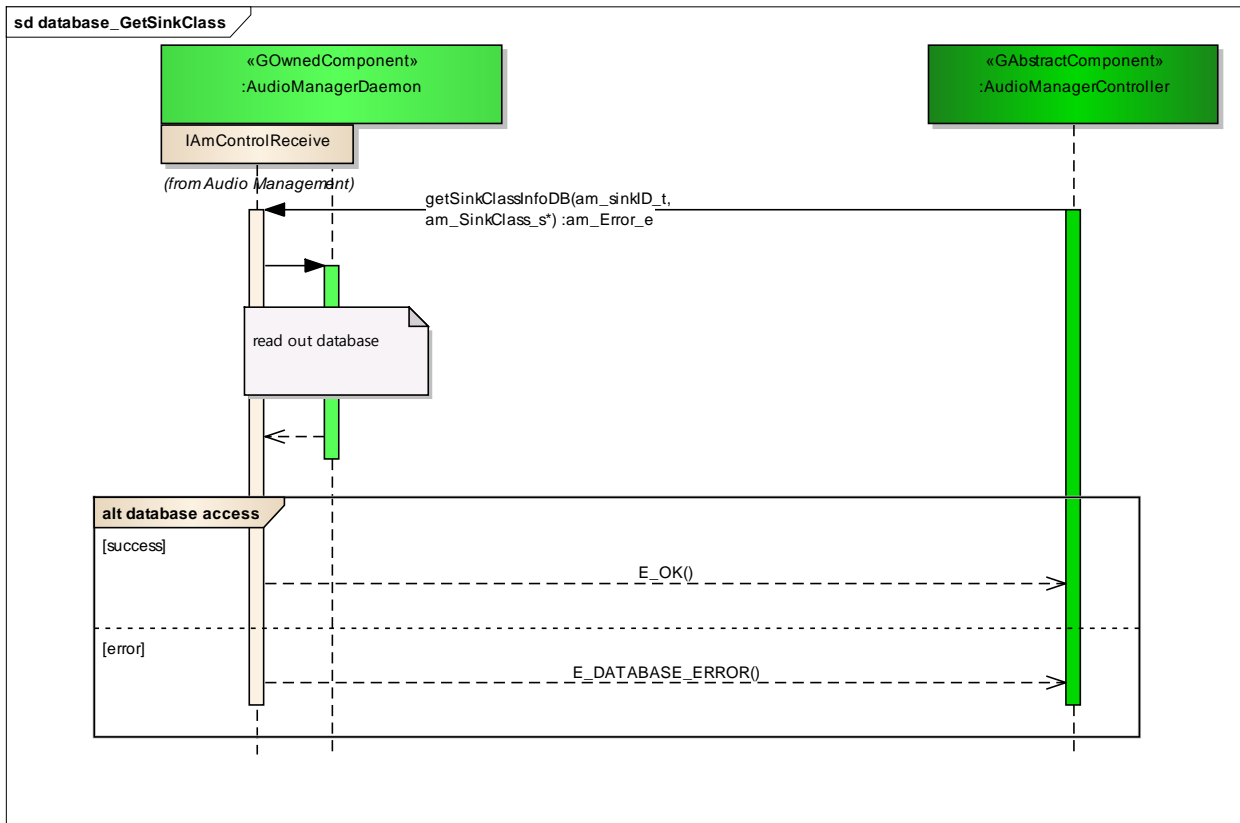
Figure: 42

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}
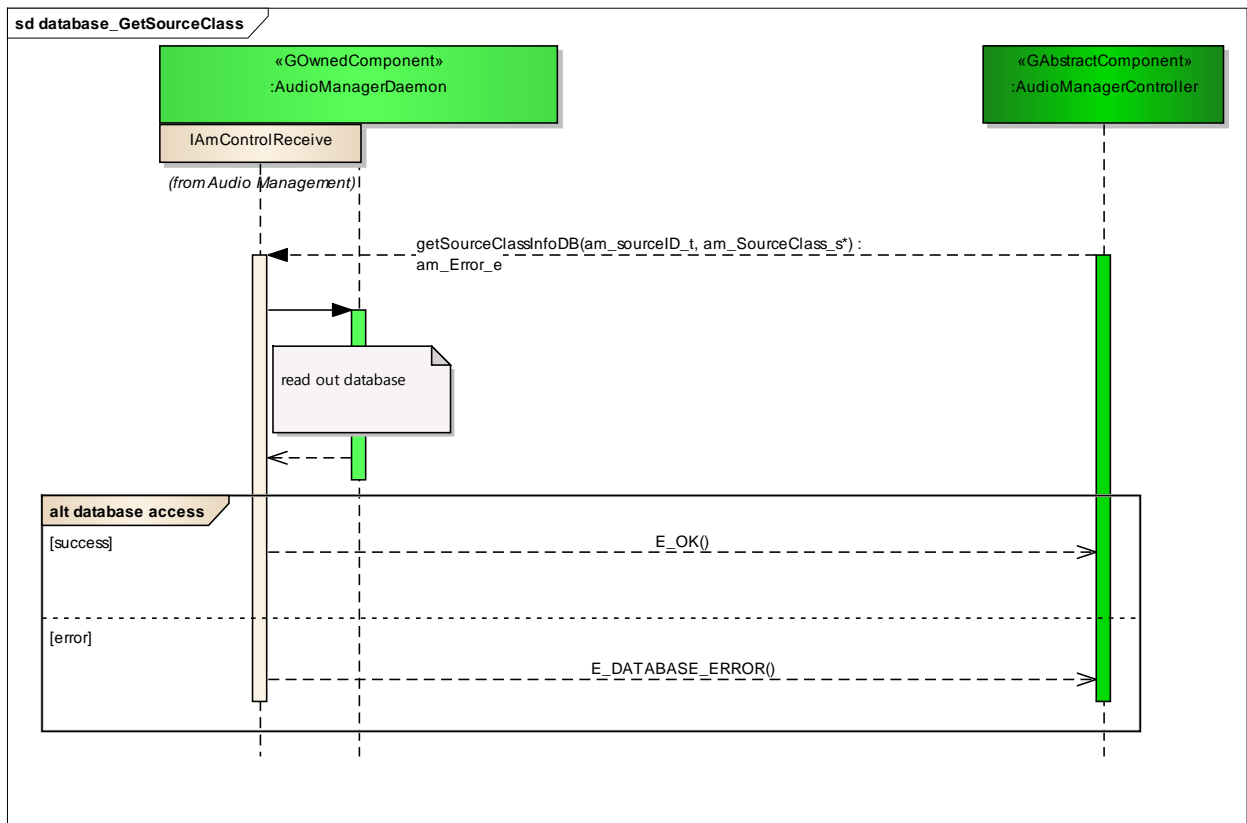
Figure: 43

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.*

<table>
<tr><td>GUID:</td><td>{2325A660-655E-4ce0-9BAE-1B4E5C1DD045}</td></tr>
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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}
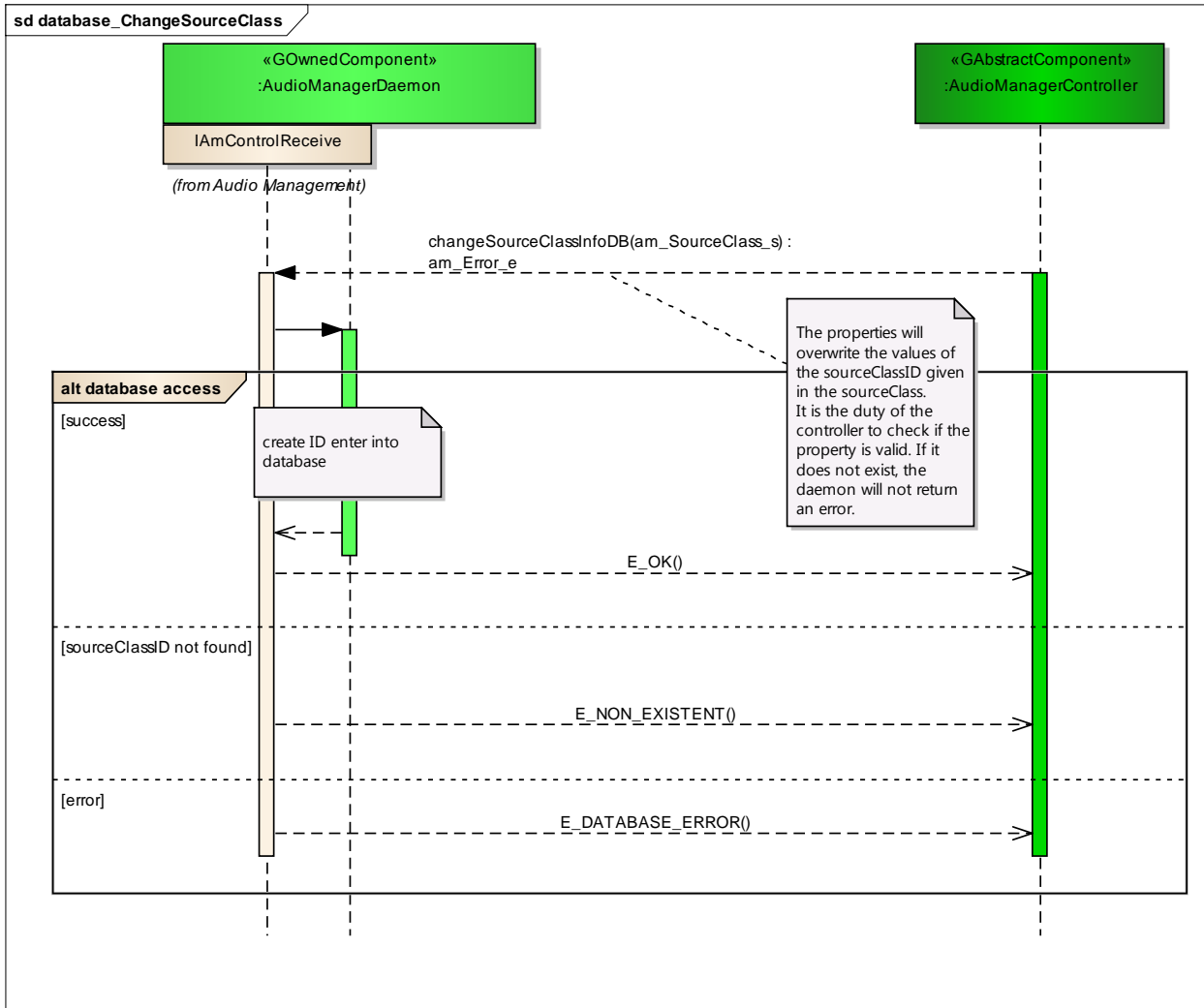
Figure: 45

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}
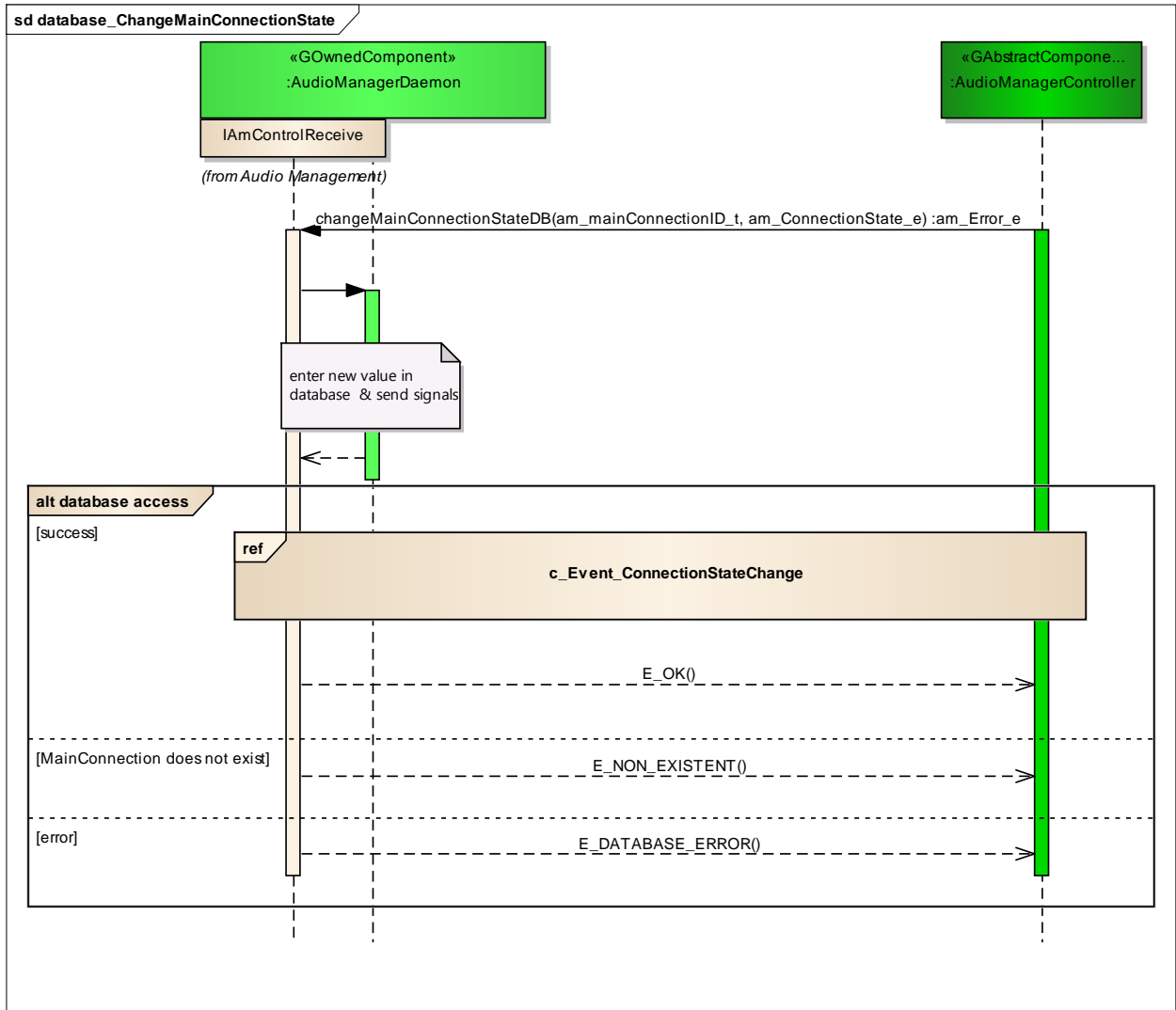
Figure: 46

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}

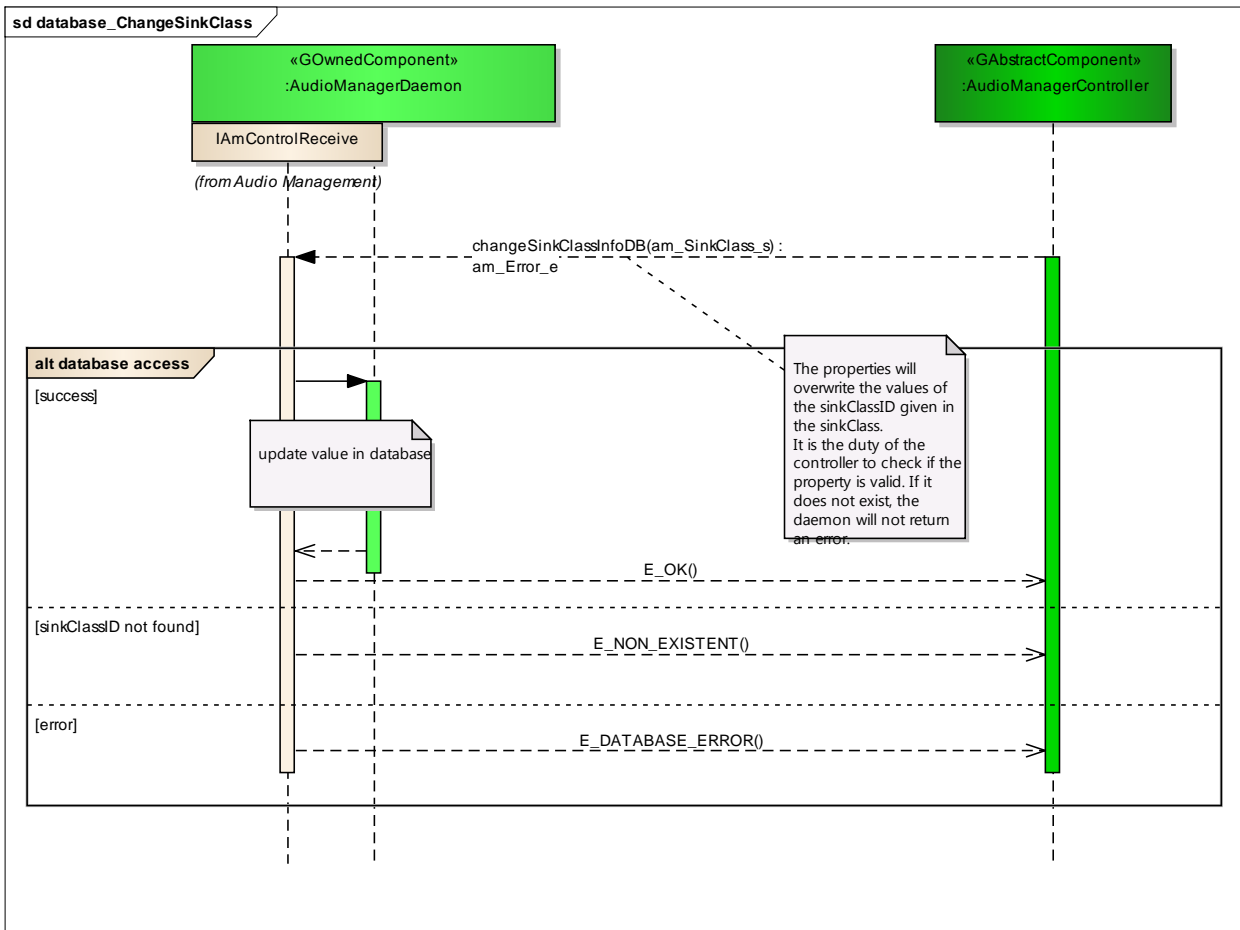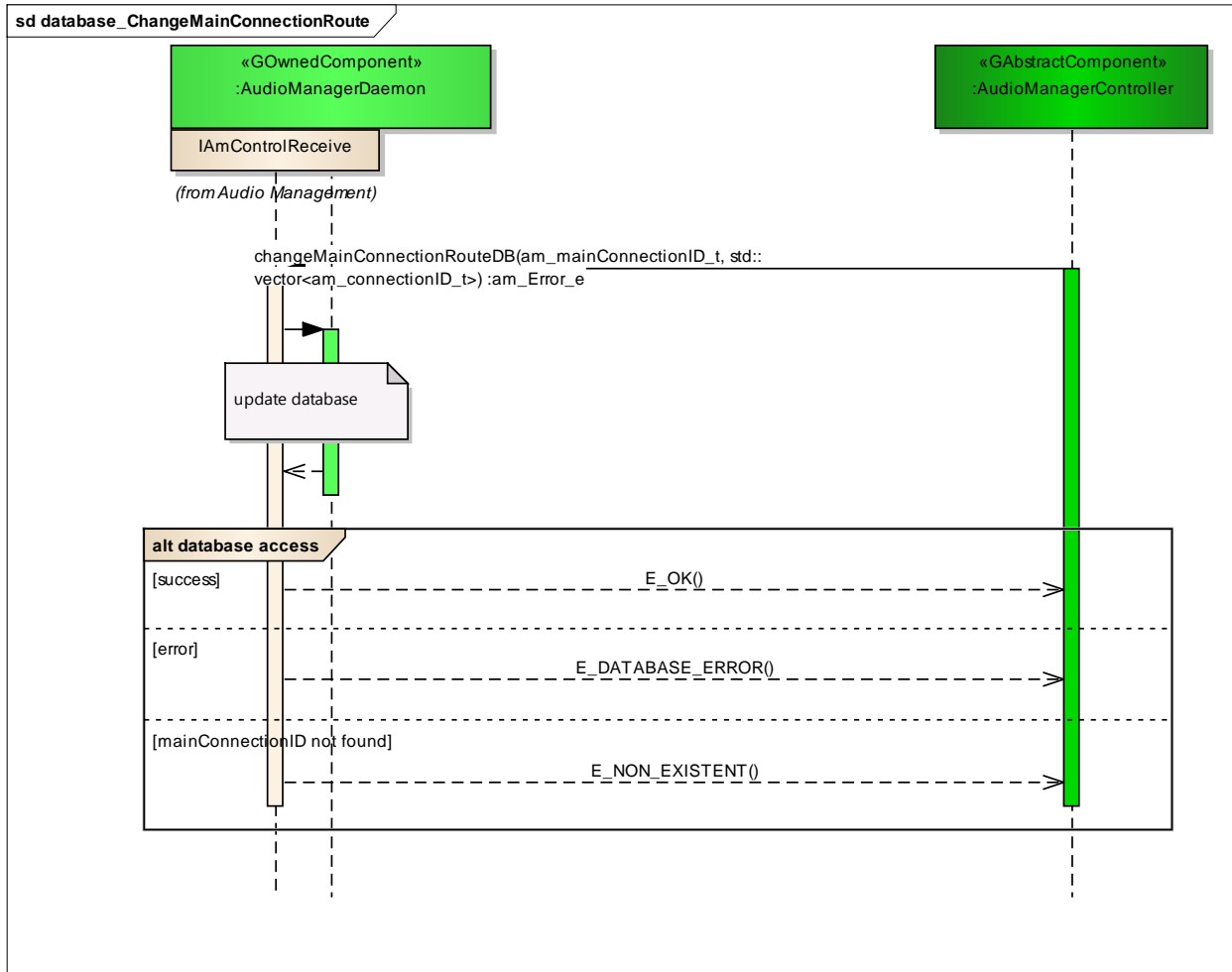Figure: 47

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}
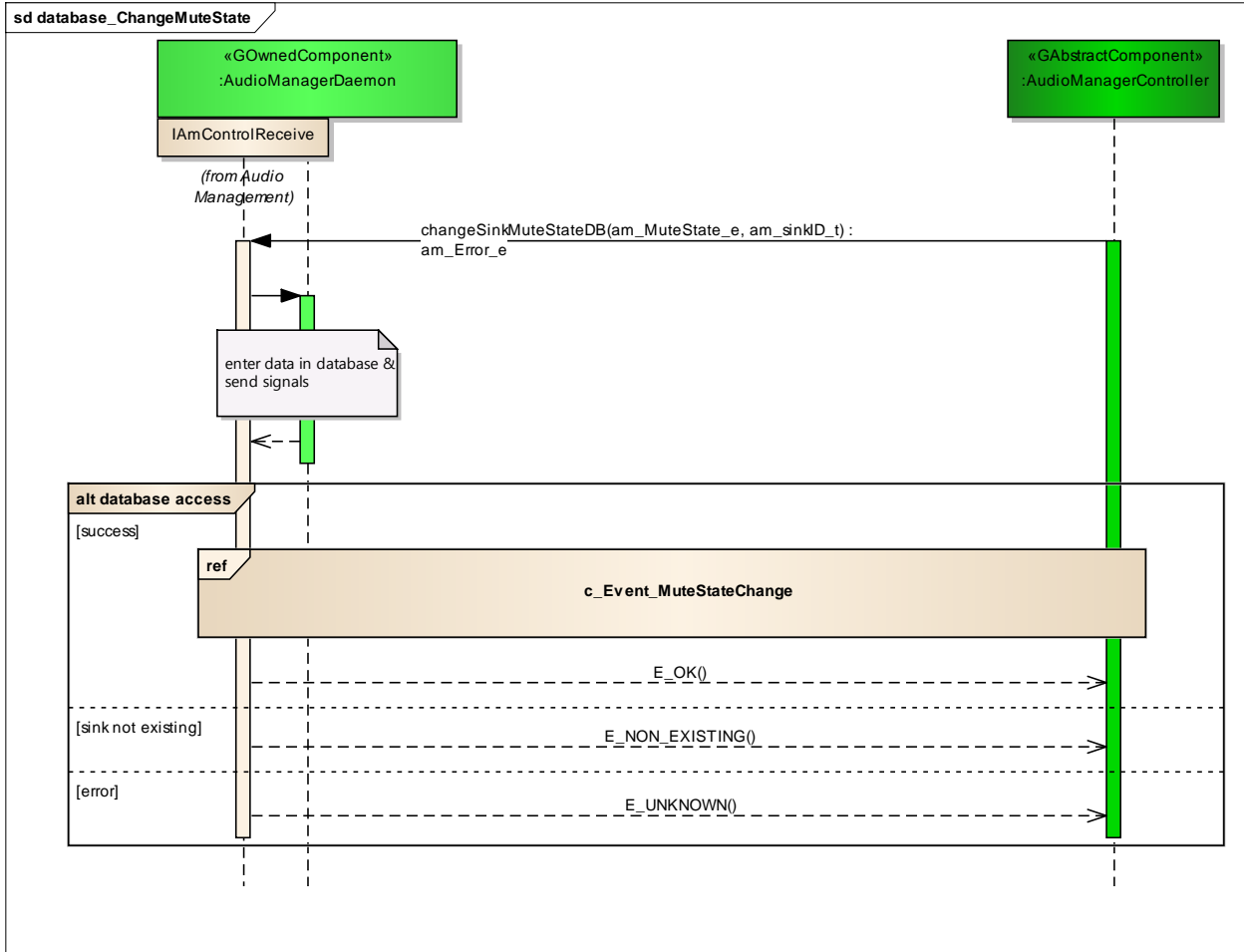
Figure: 48

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}
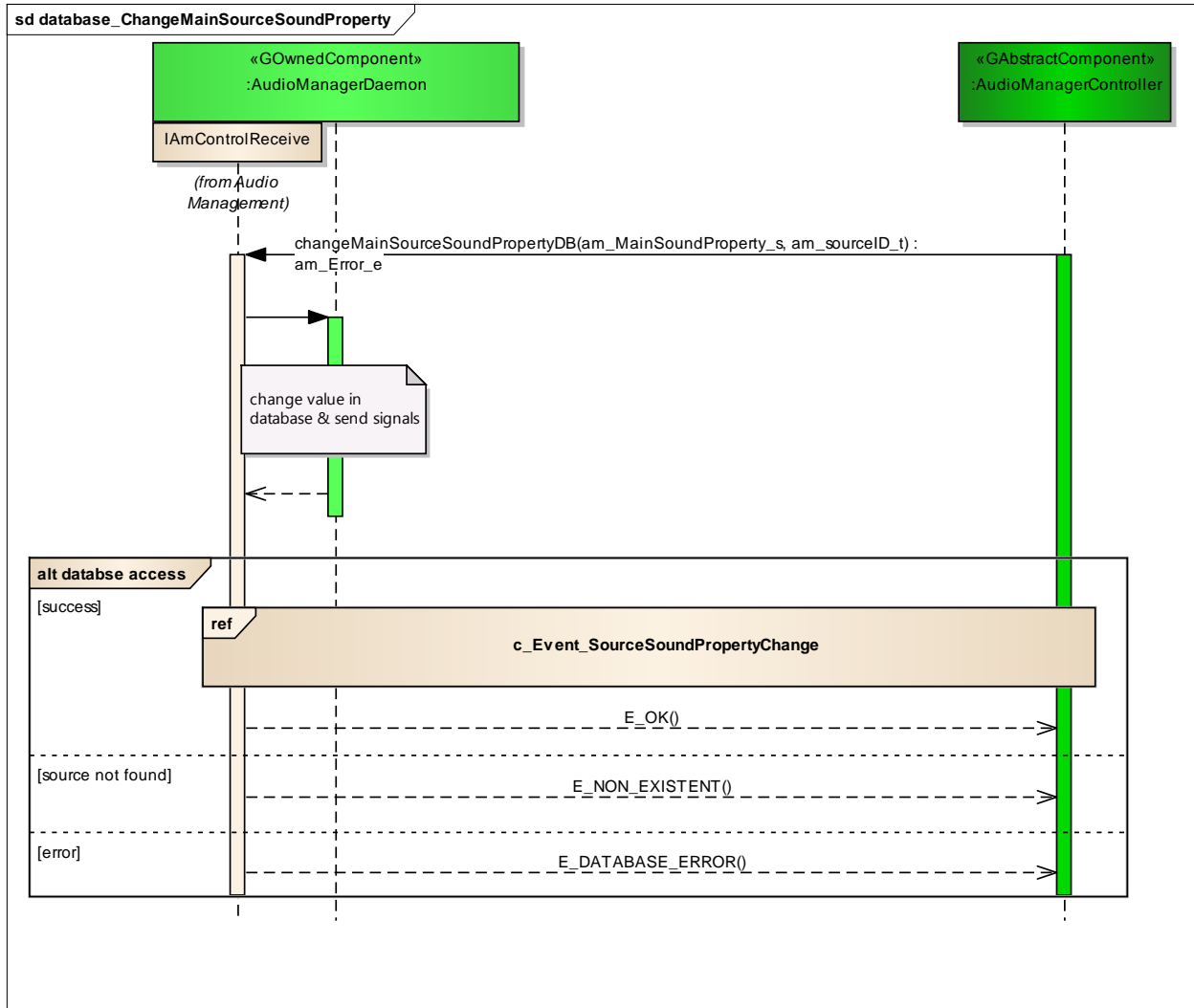
Figure: 50

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}

databse 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-A0733E23ADBF}

database_ChangeSystemProperty - *(Interaction diagram)*
Created By: christian *on* 10.10.2011
Last Modified: 10.10.2011
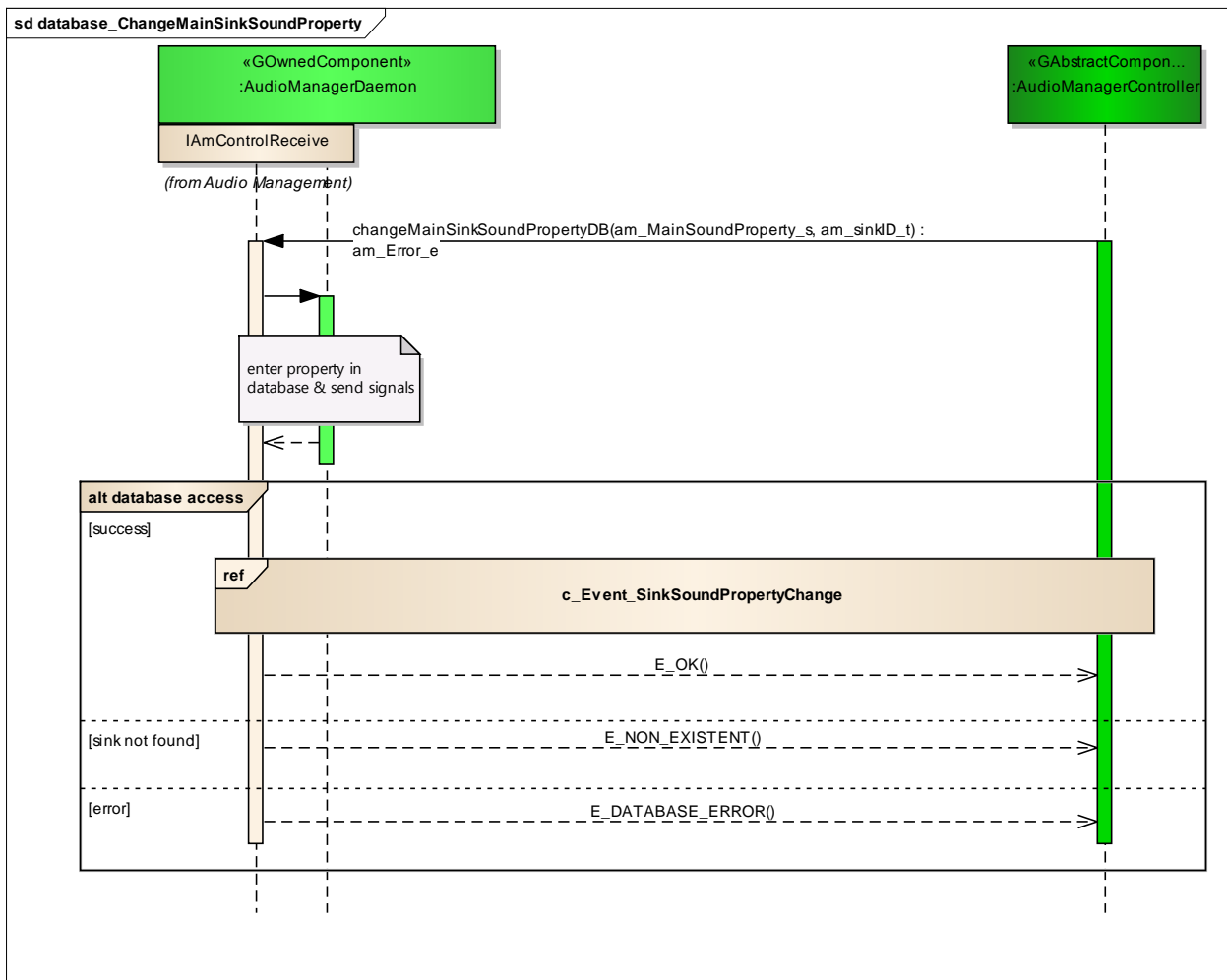*Version:*   1.0. *Locked:* False
GUID: {9A8CDAE6-7588-464d-BADE-7E479F378169}
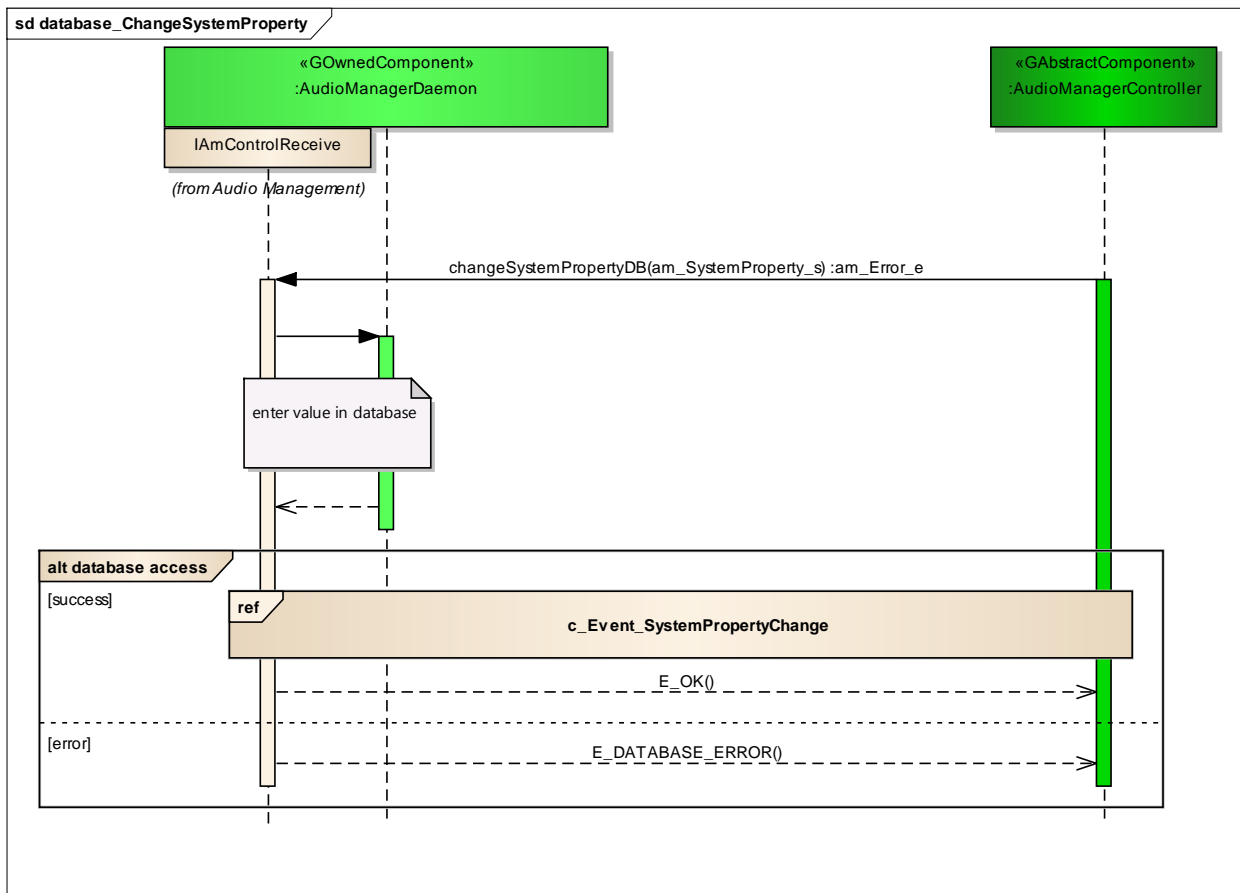
Figure: 51

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}
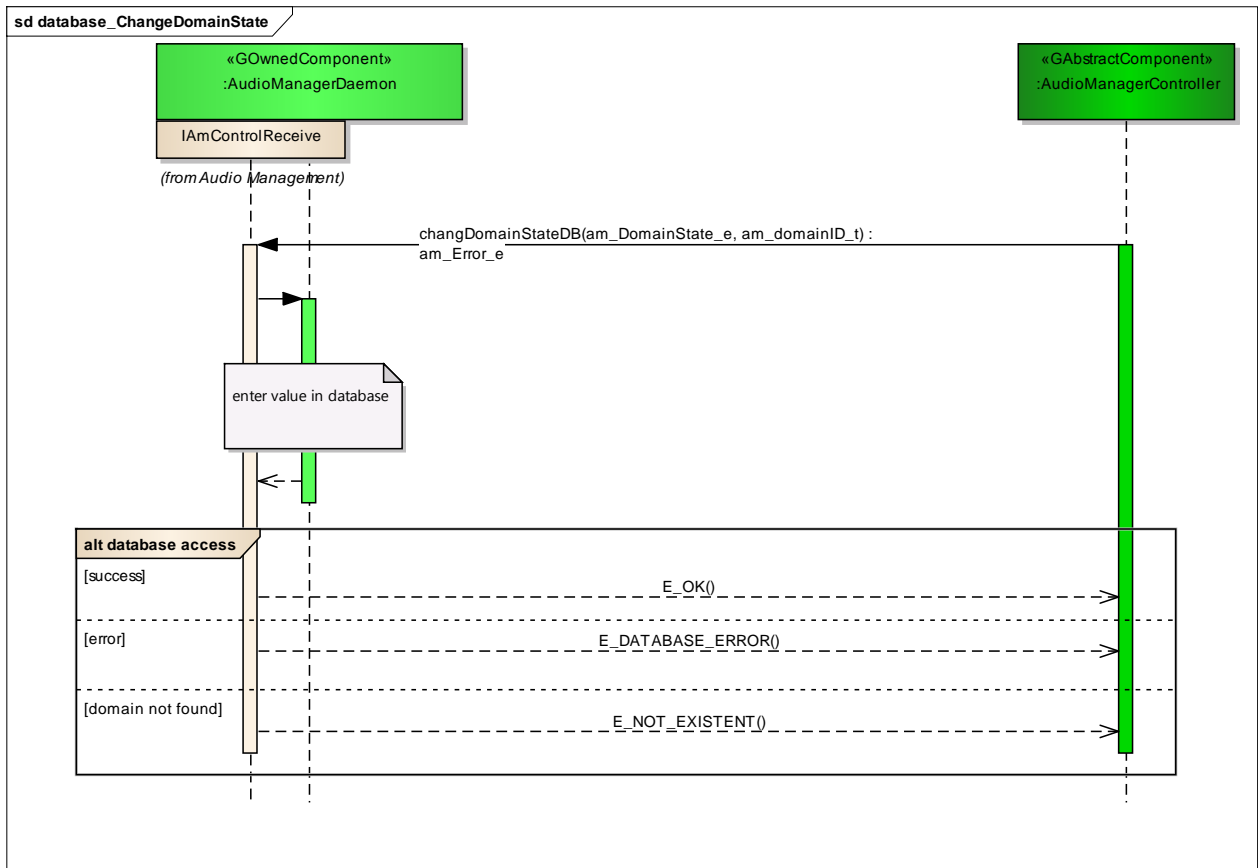
Figure: 53

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}
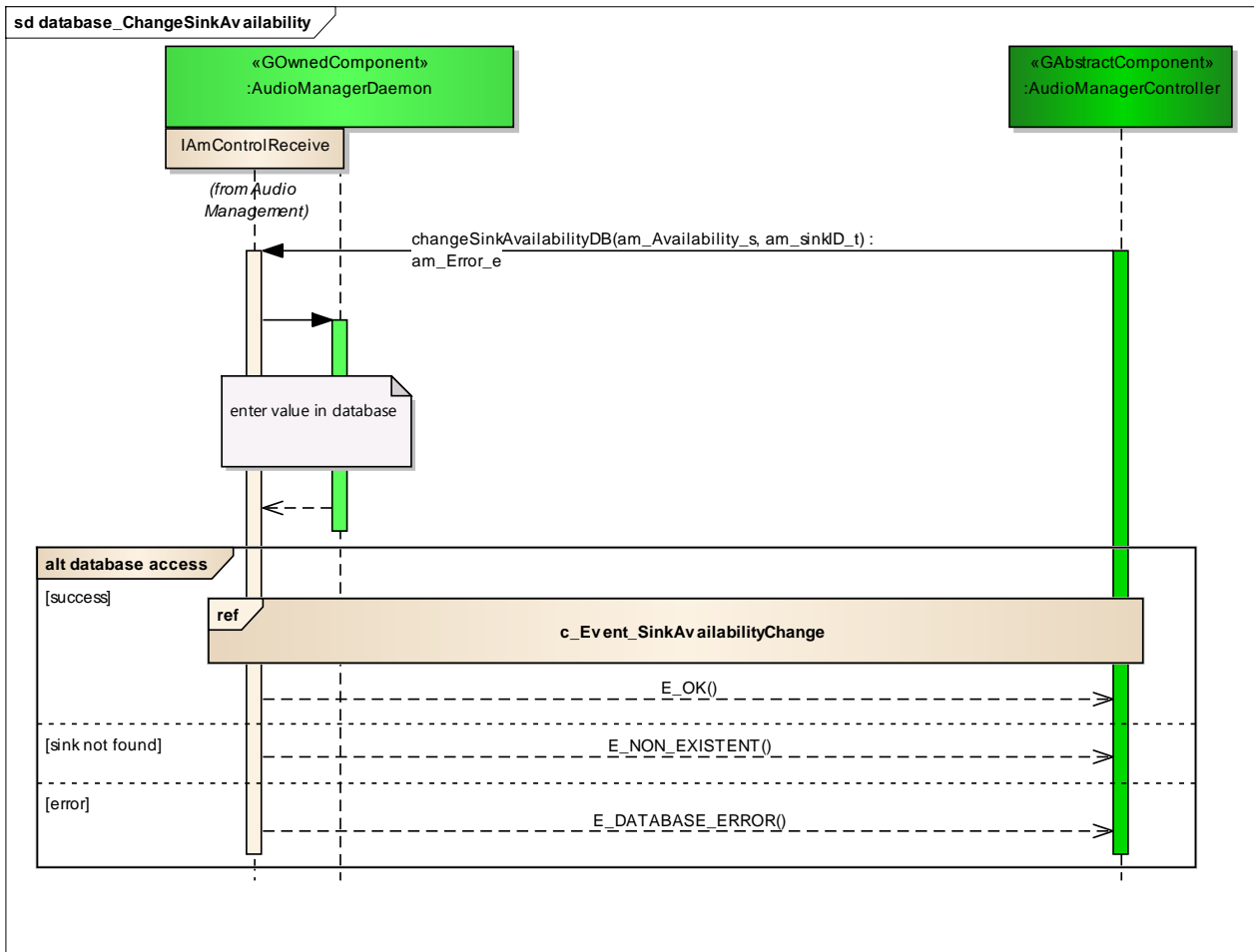
Figure: 54

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
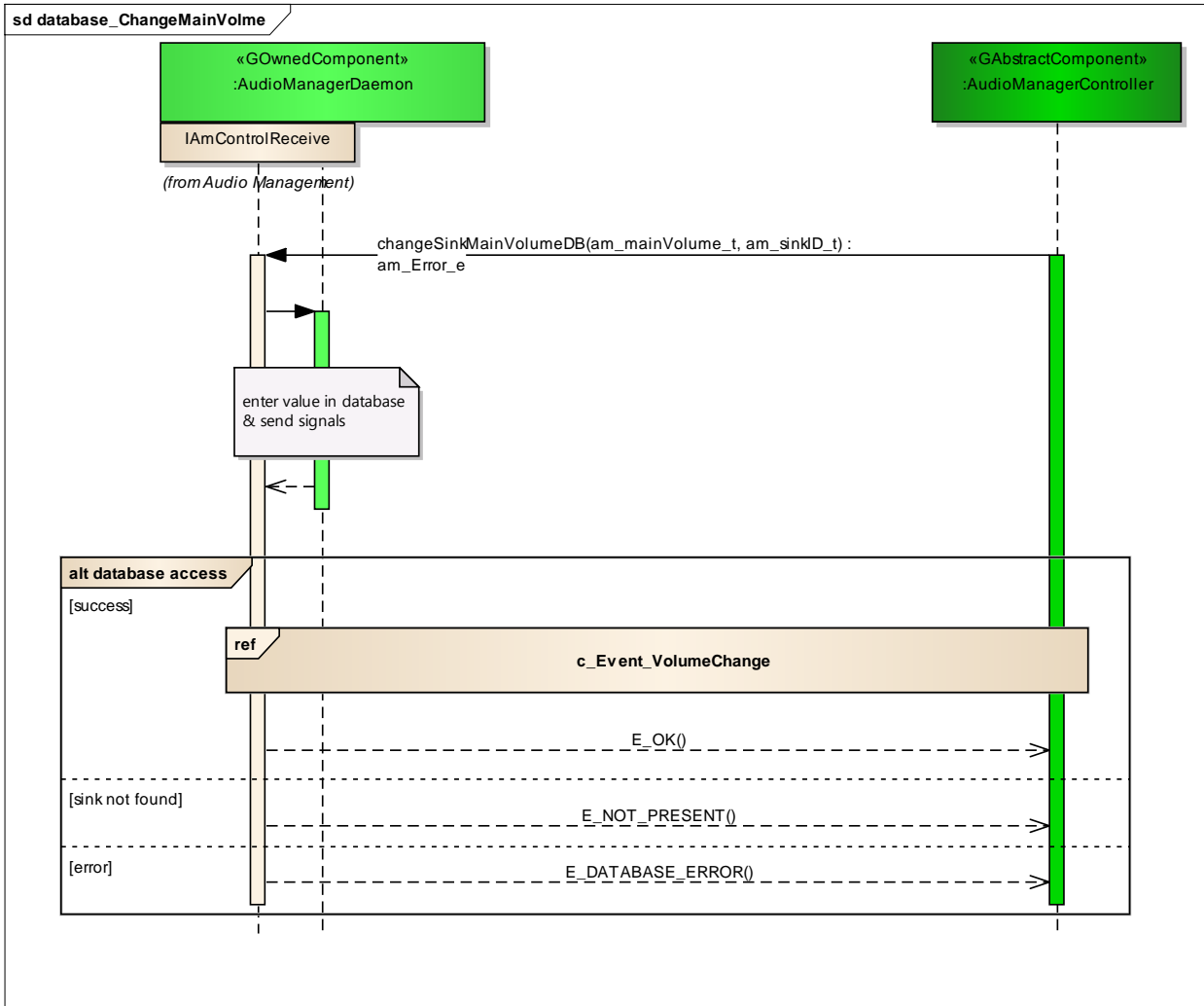*GUID:*   {06E6805C-E07C-4900-B559-4636D8C1CFA7}
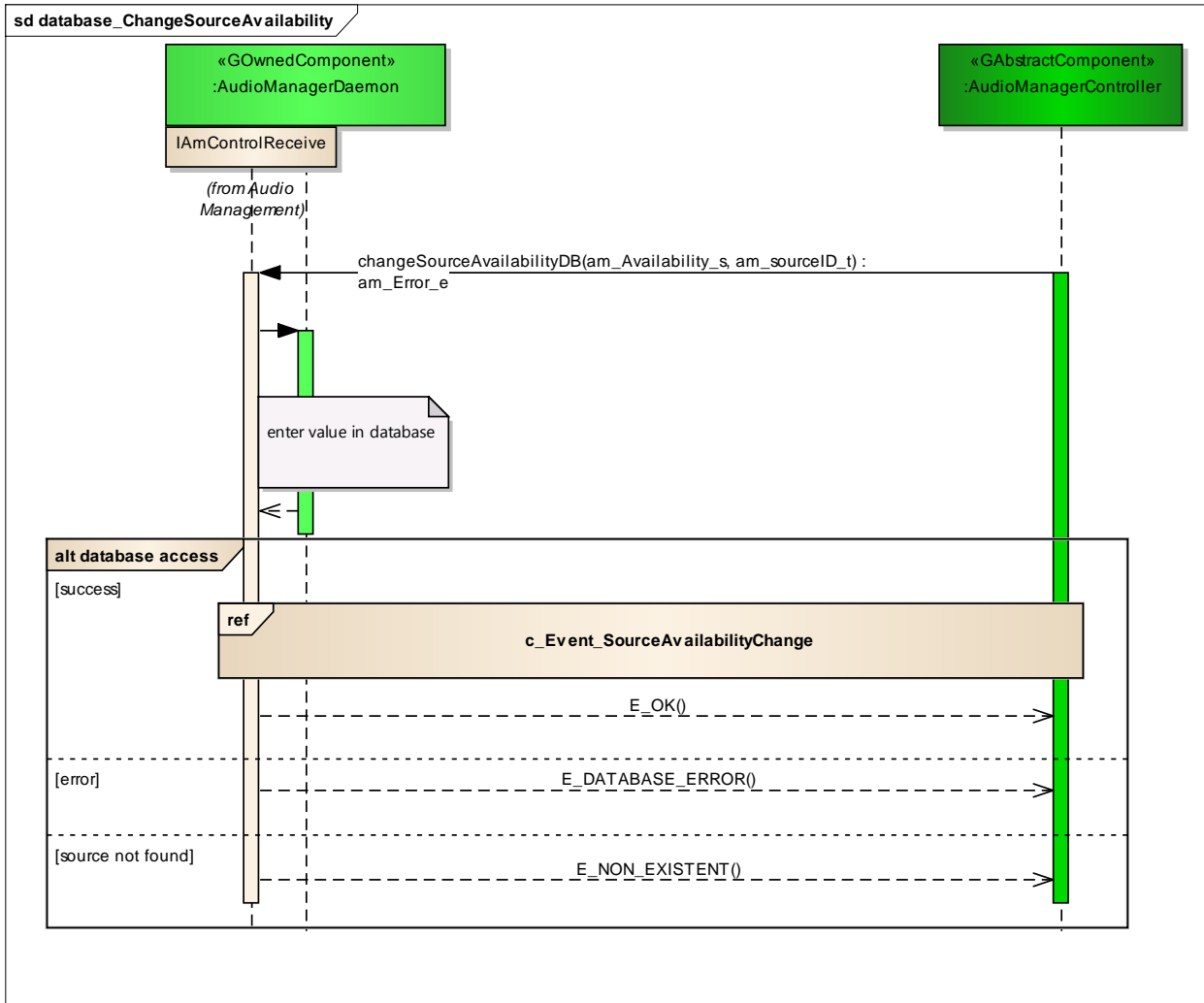
Figure: 55

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}
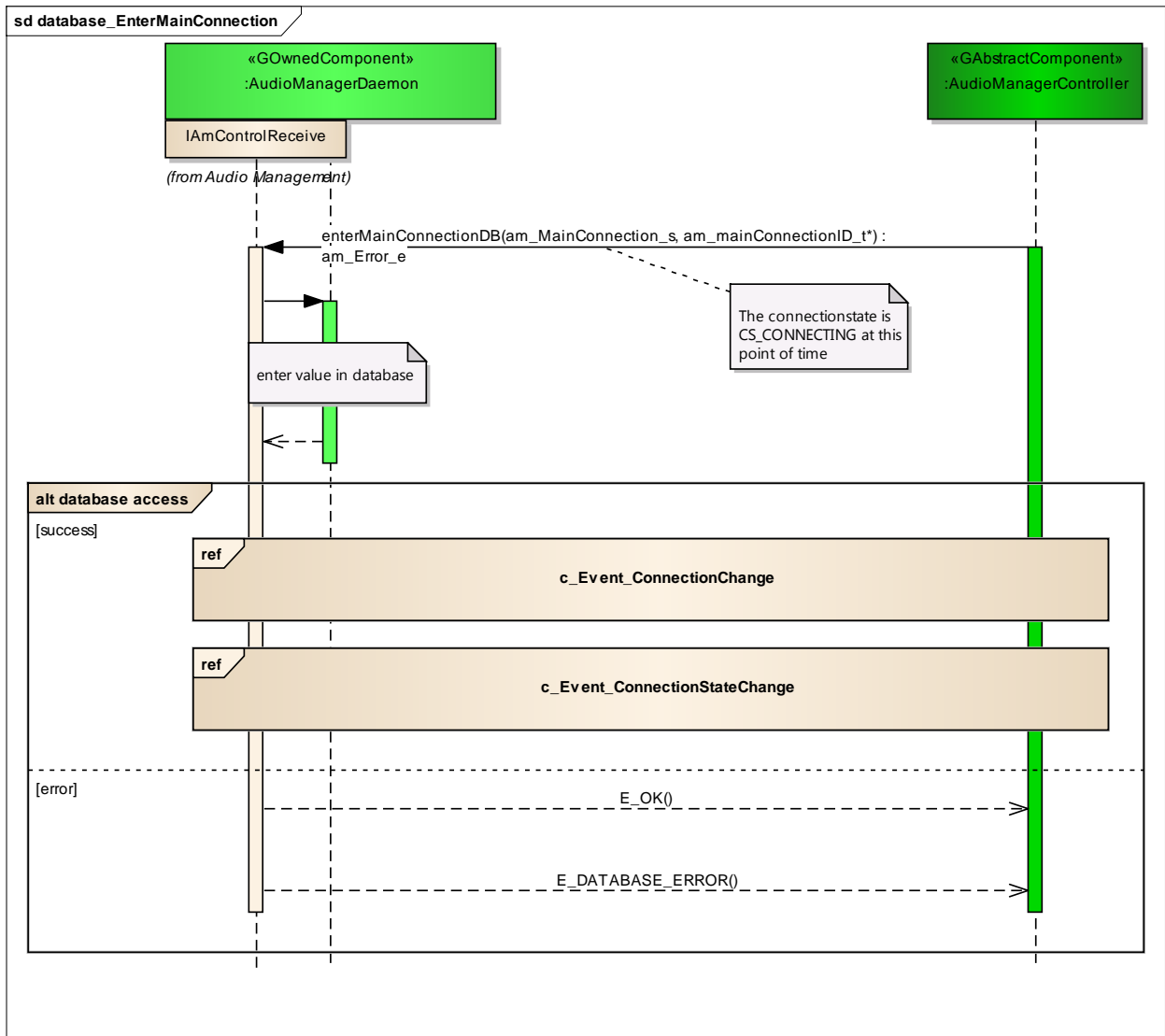
Figure: 56

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}
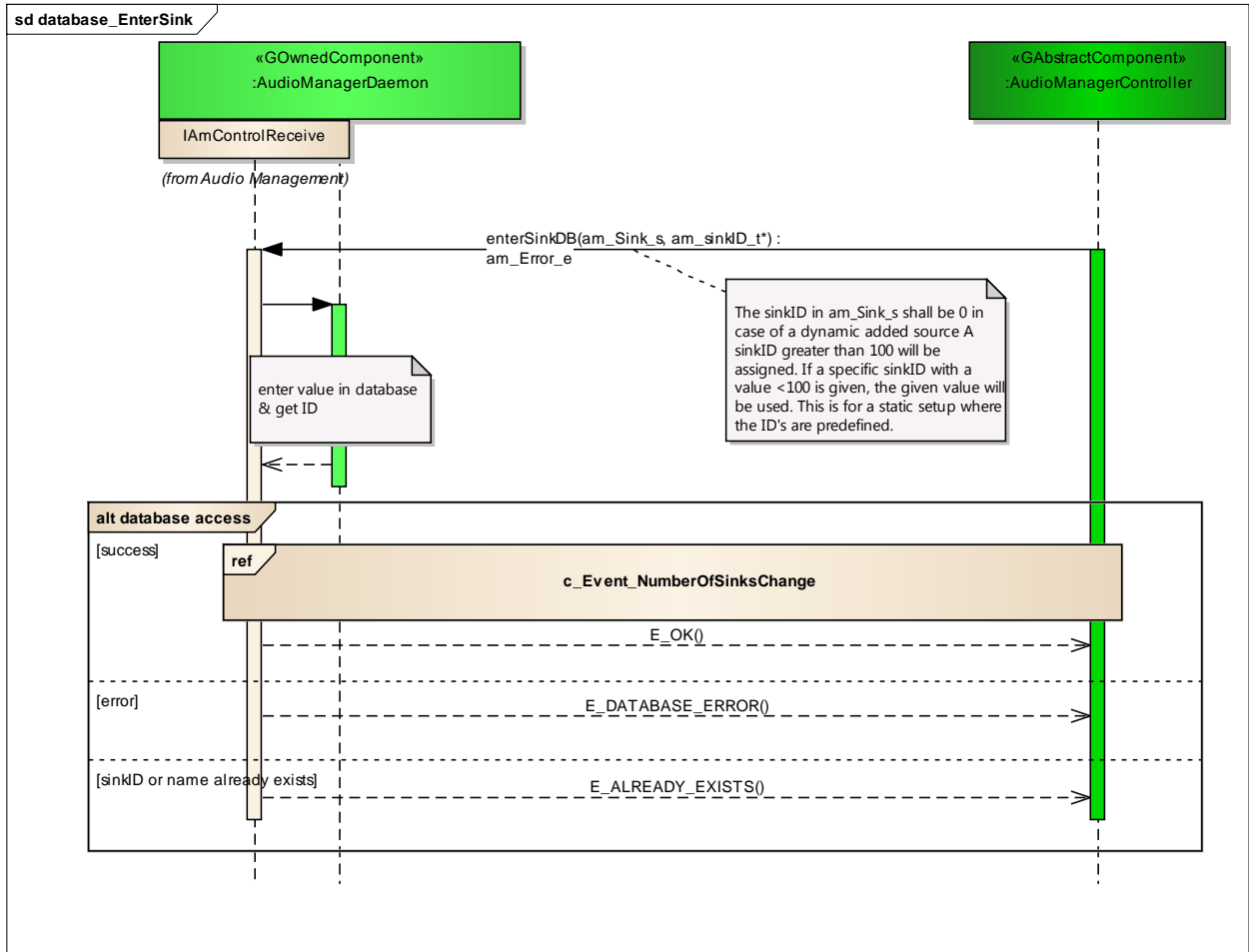
Figure: 57

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}
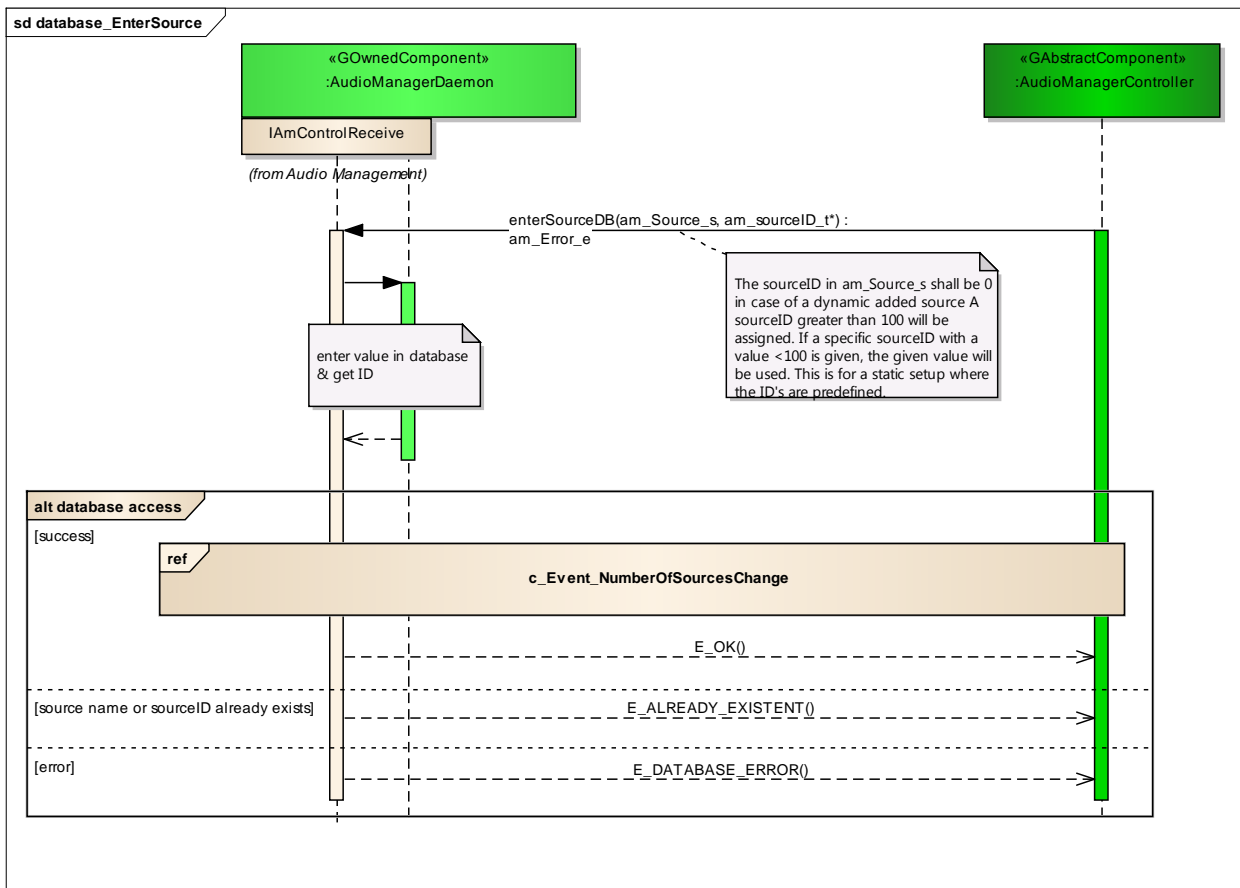
Figure: 58

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 acceess

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:	{4DEDCF61-8B2D-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}
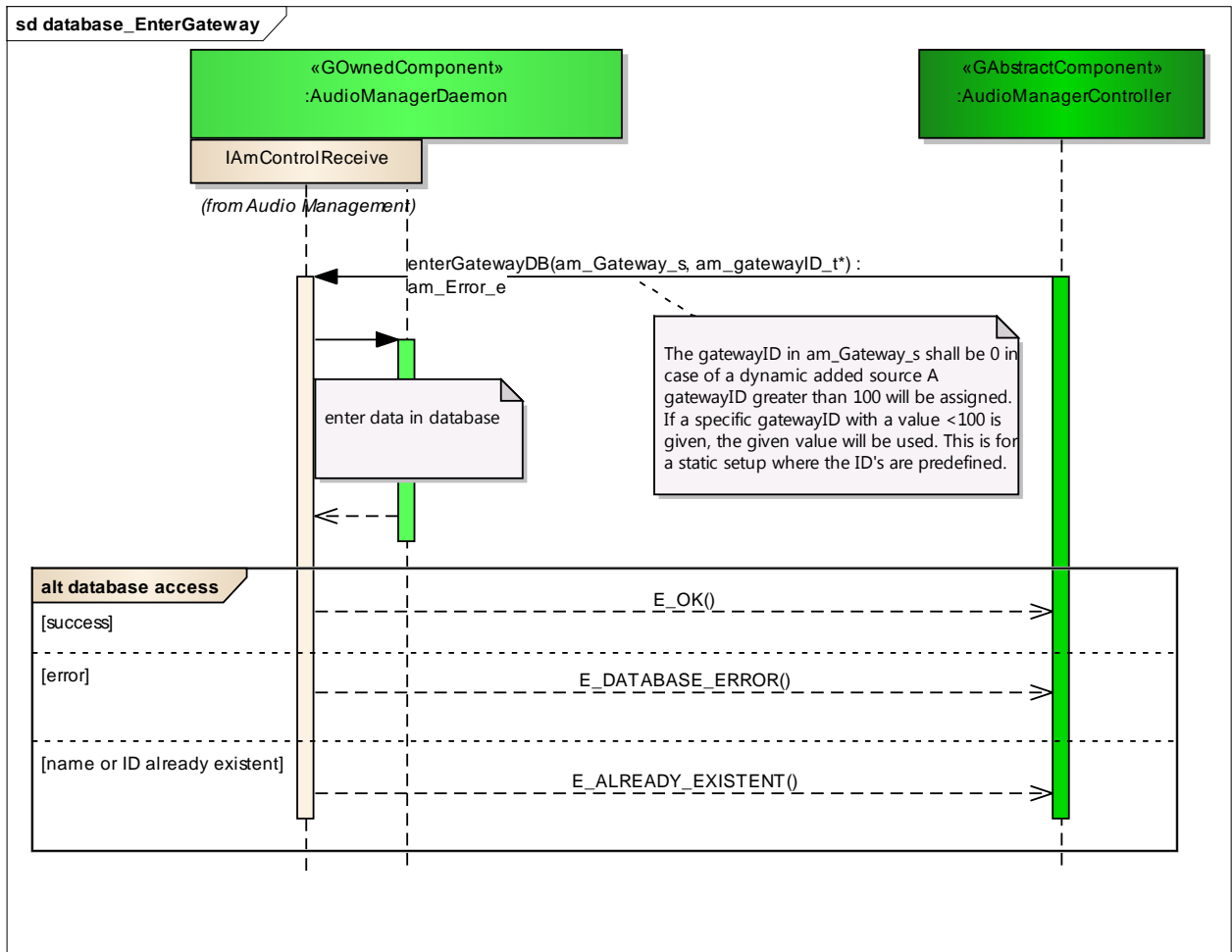
Figure: 60

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}

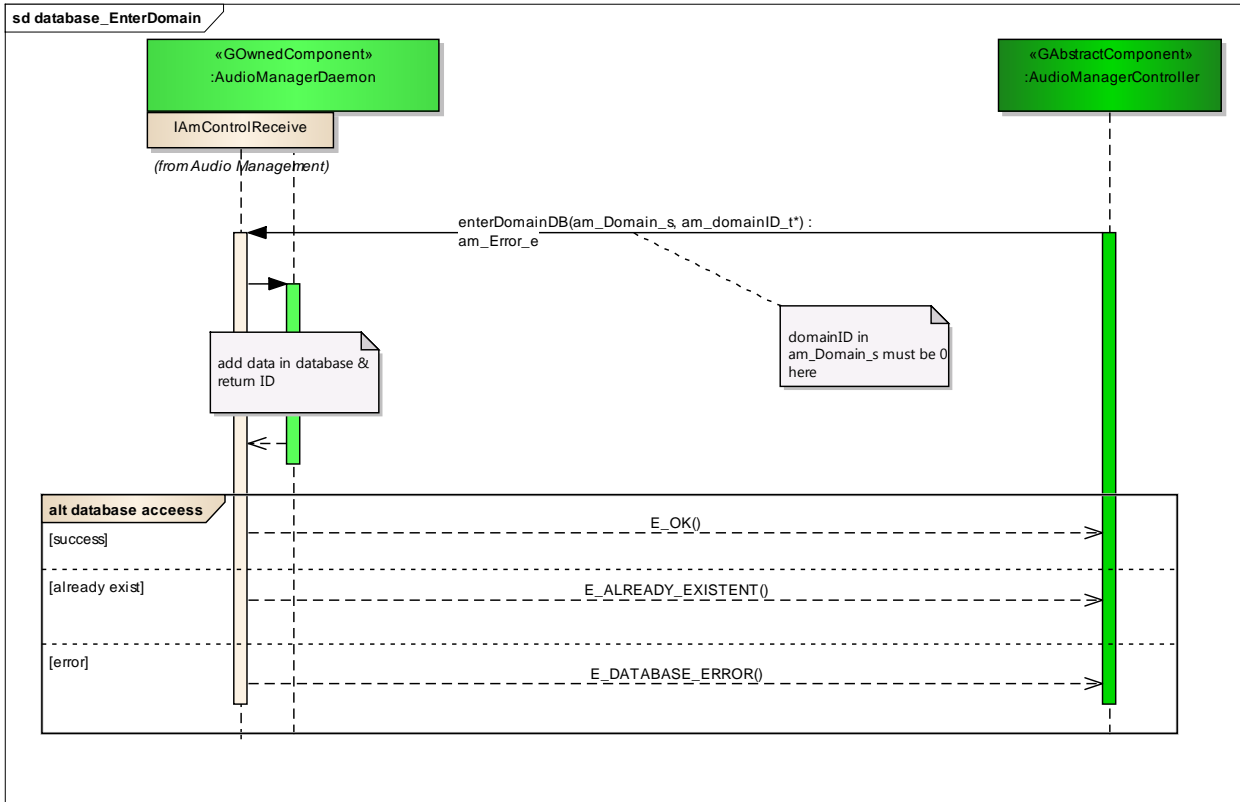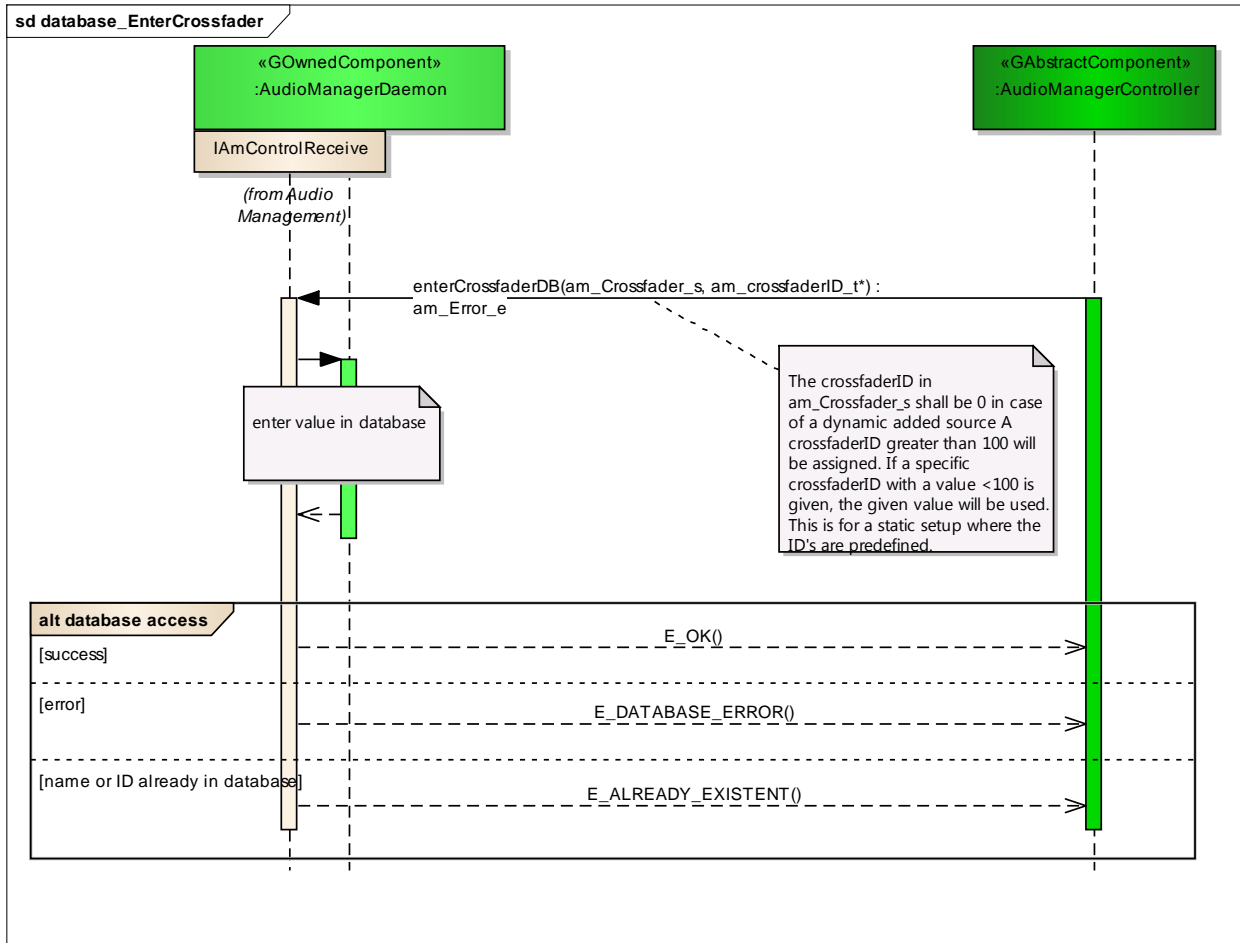Figure: 61

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}
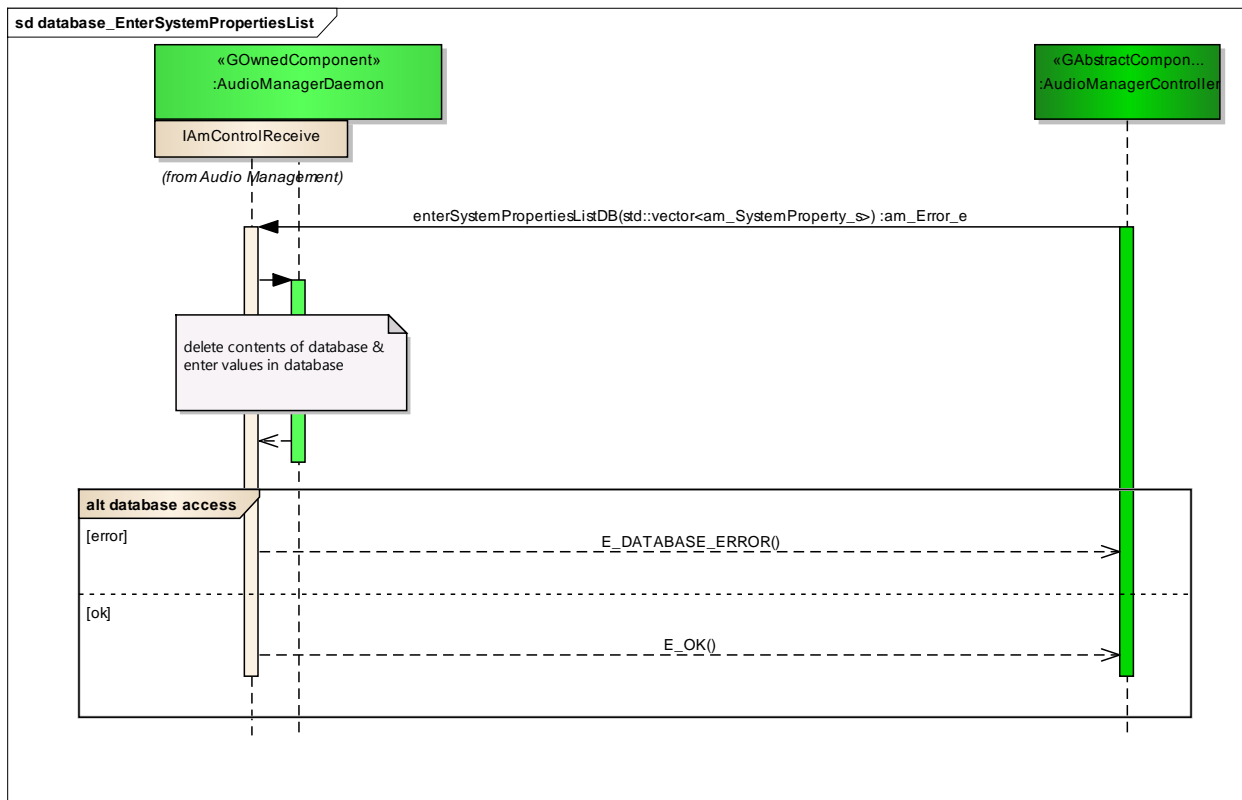
Figure: 62

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}
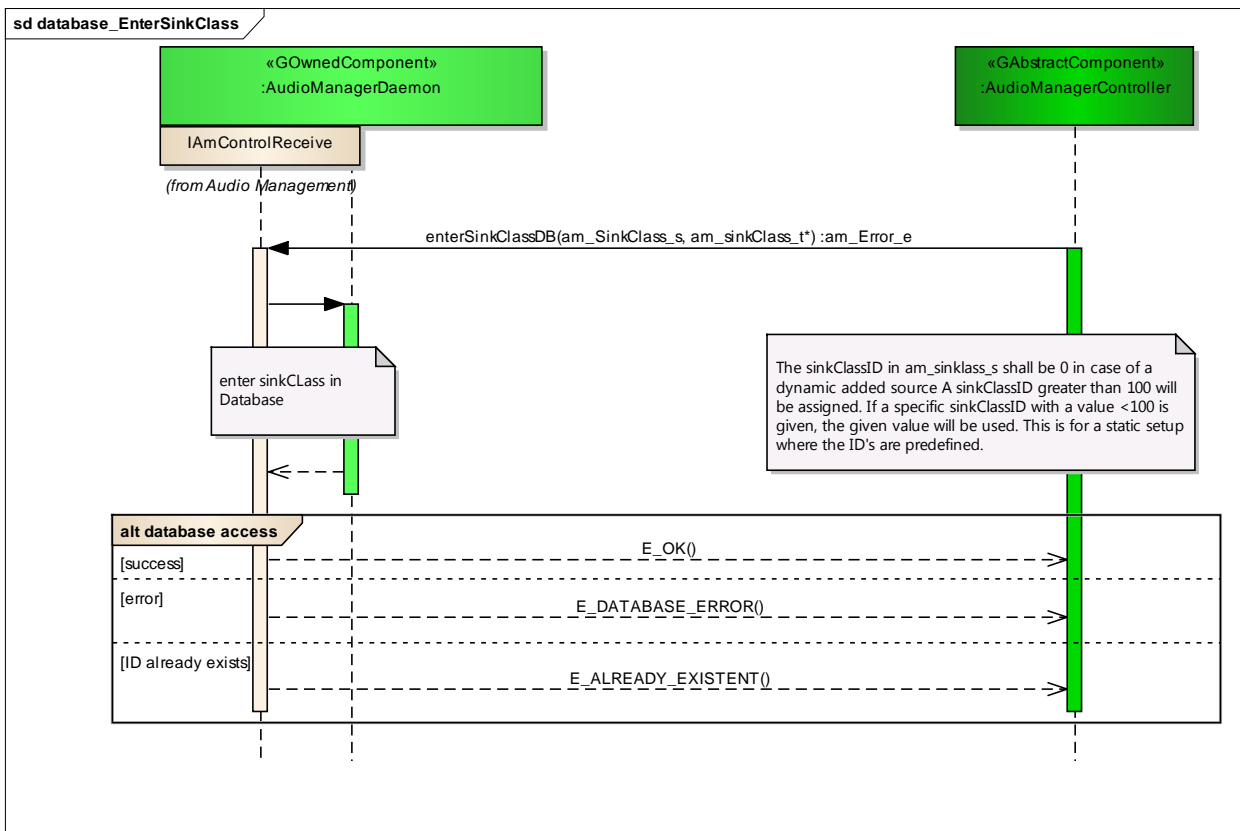
Figure: 63

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}
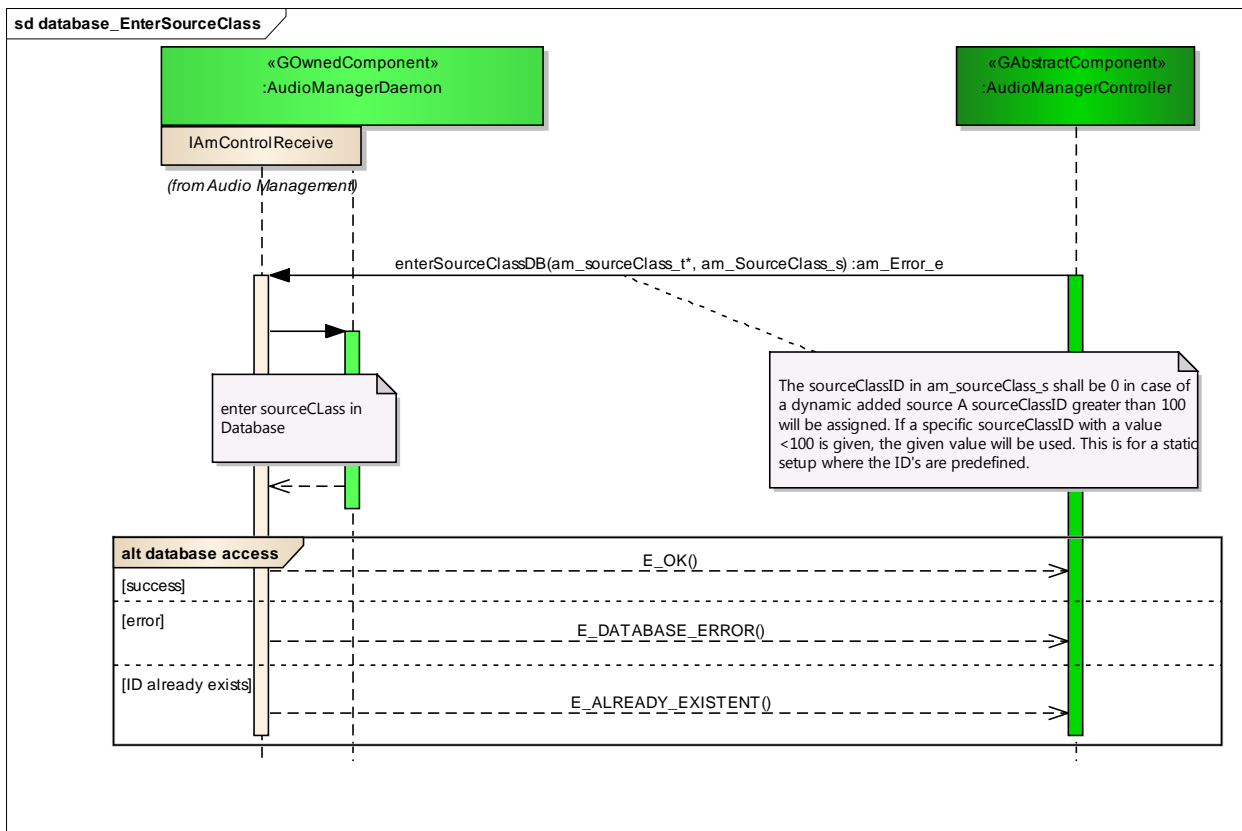
Figure: 64

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}
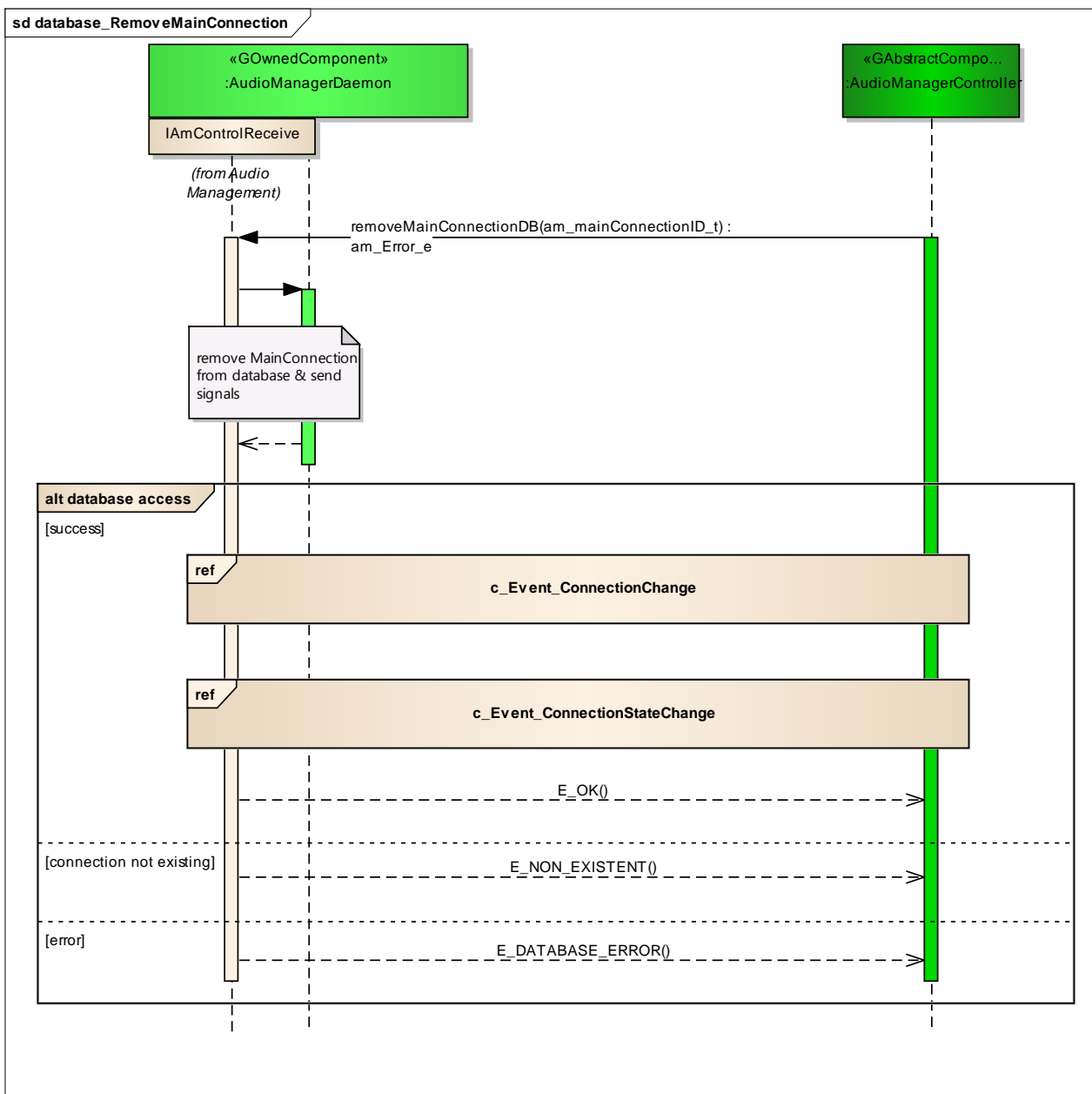
Figure: 65

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}
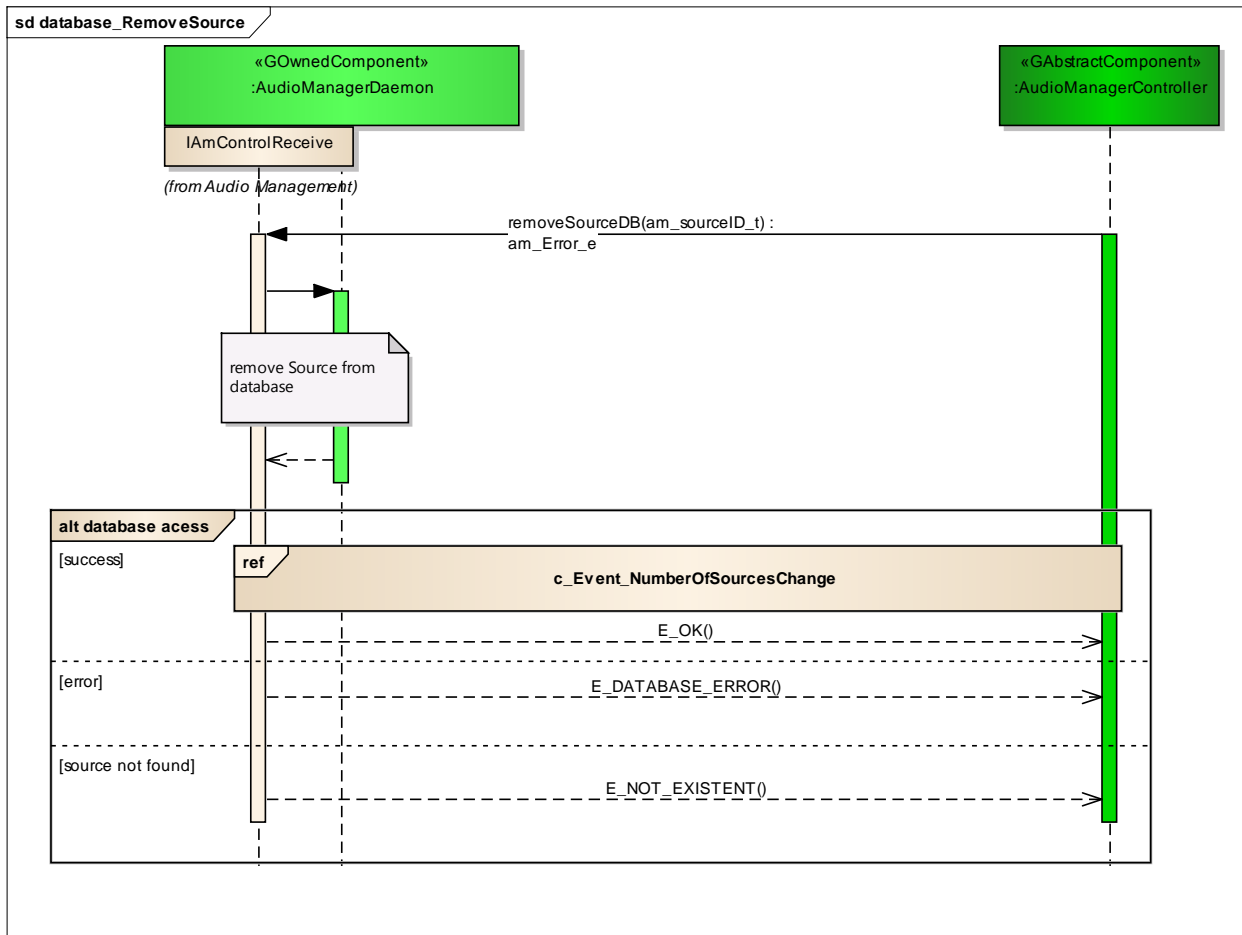
Figure: 67

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 acess

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
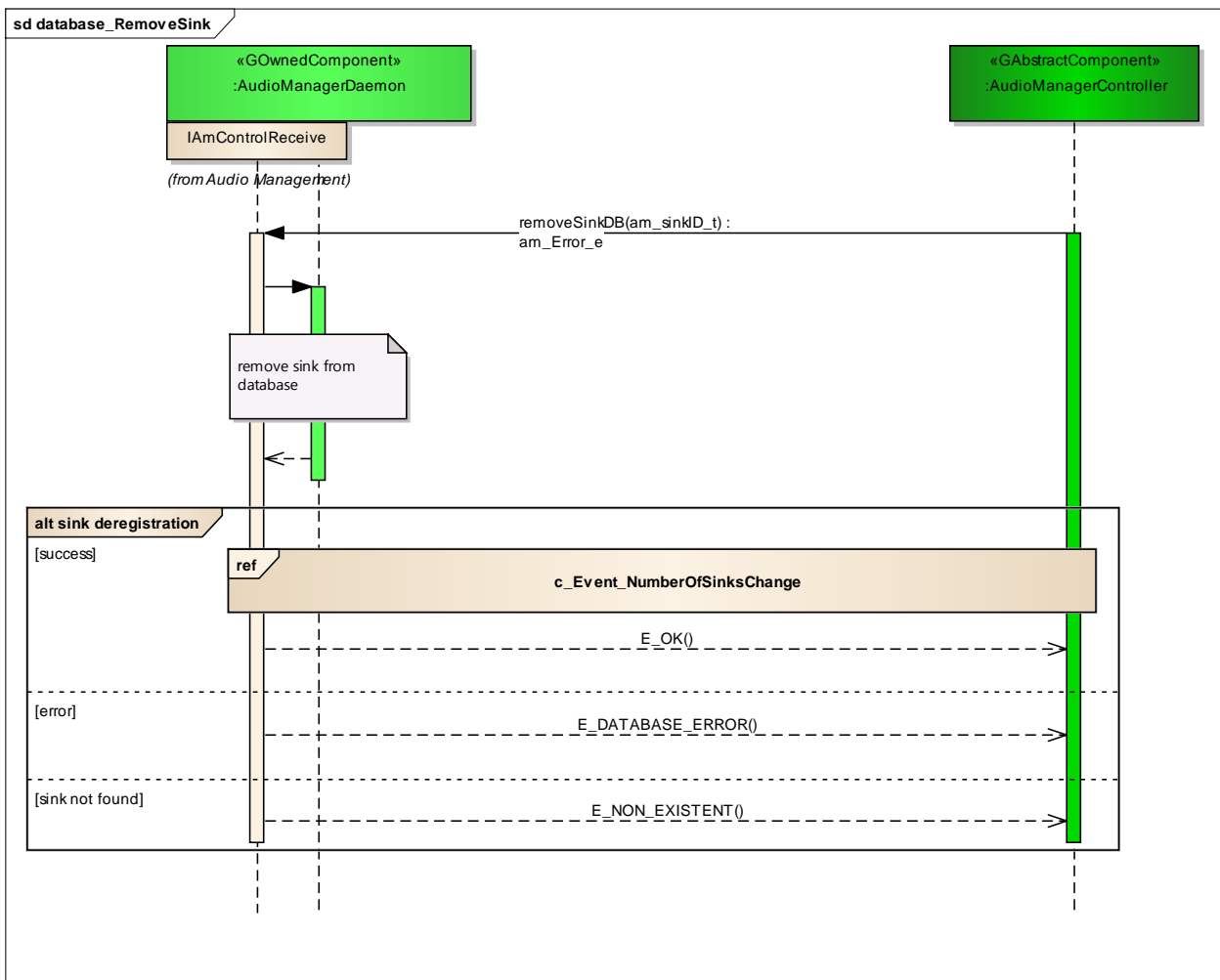*Version:*   1.0. *Locked:* False
GUID: {2DD45831-E778-4676-8600-4BC81DB12AAA}

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}
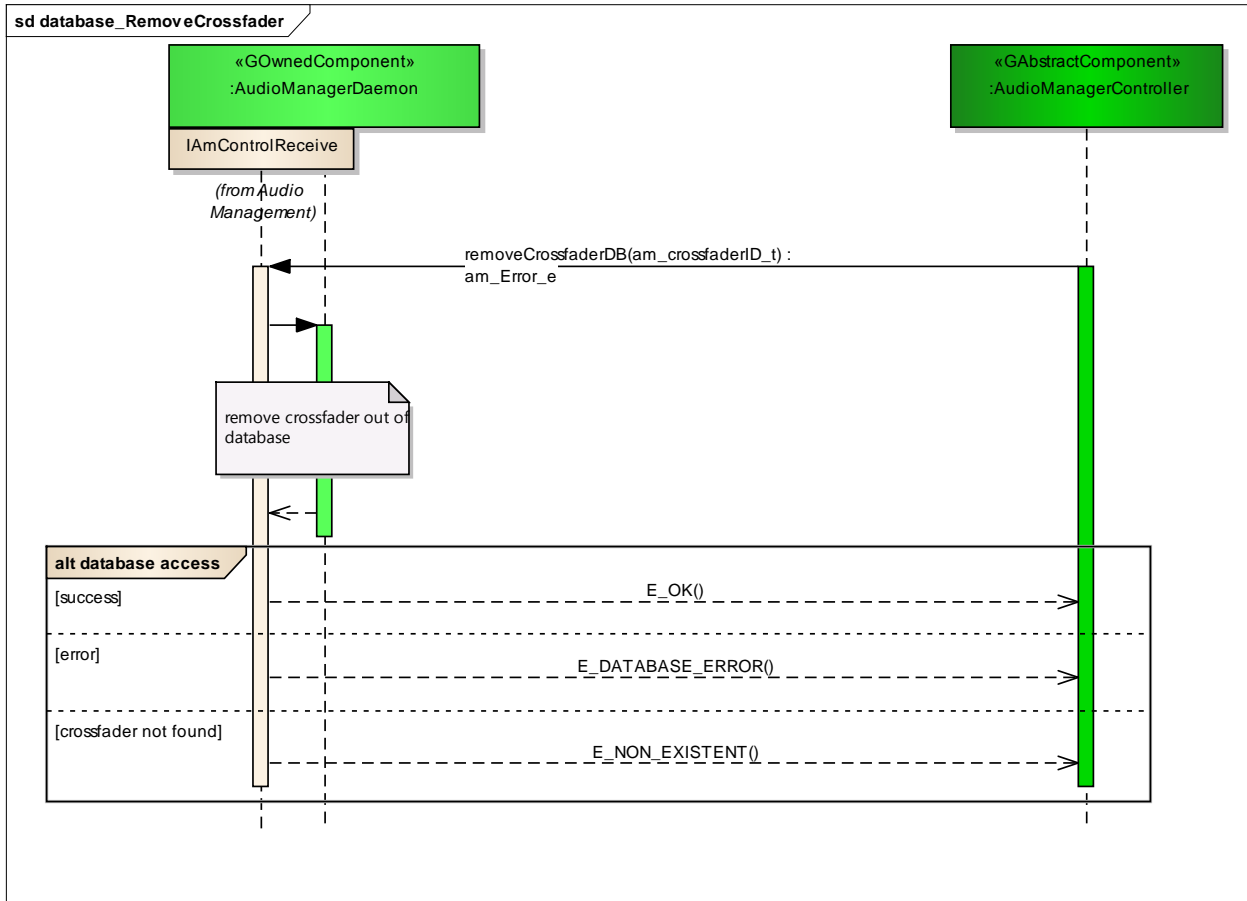
Figure: 70

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}
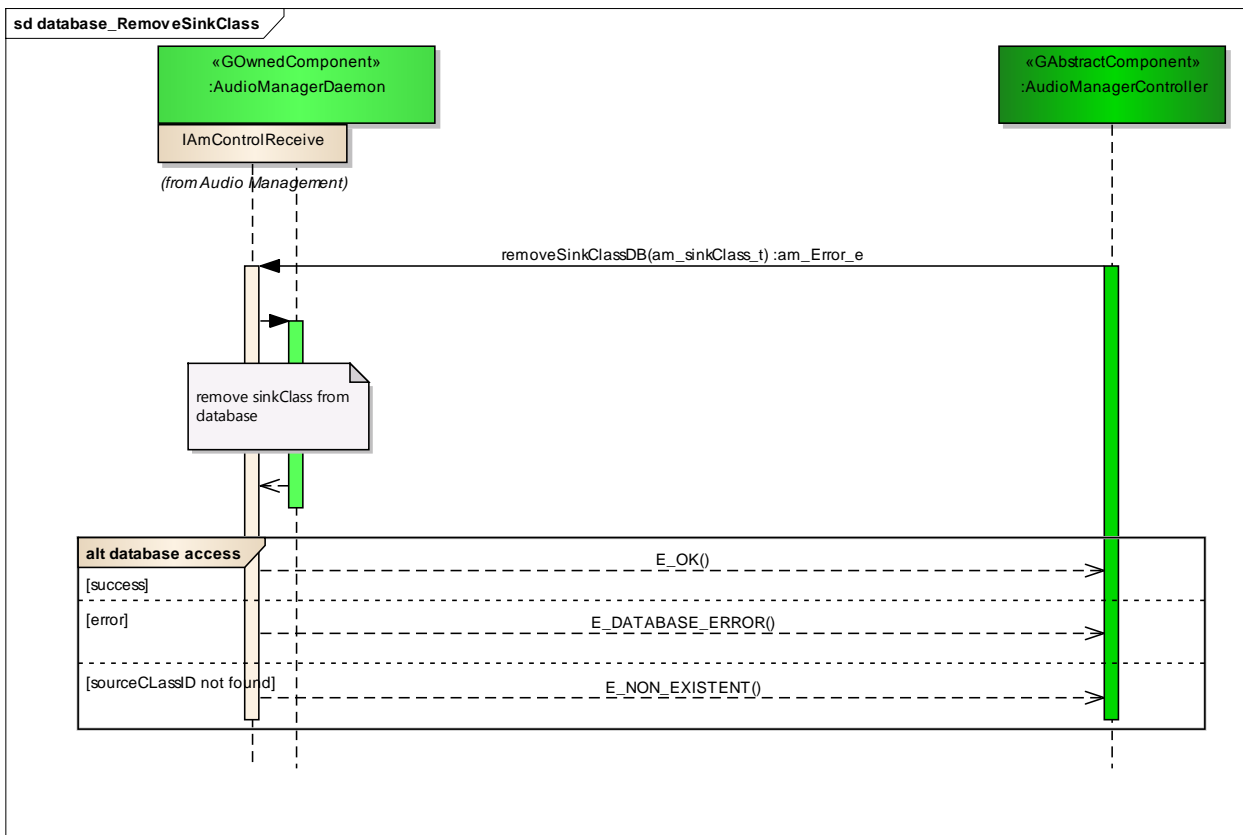
Figure: 71

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}

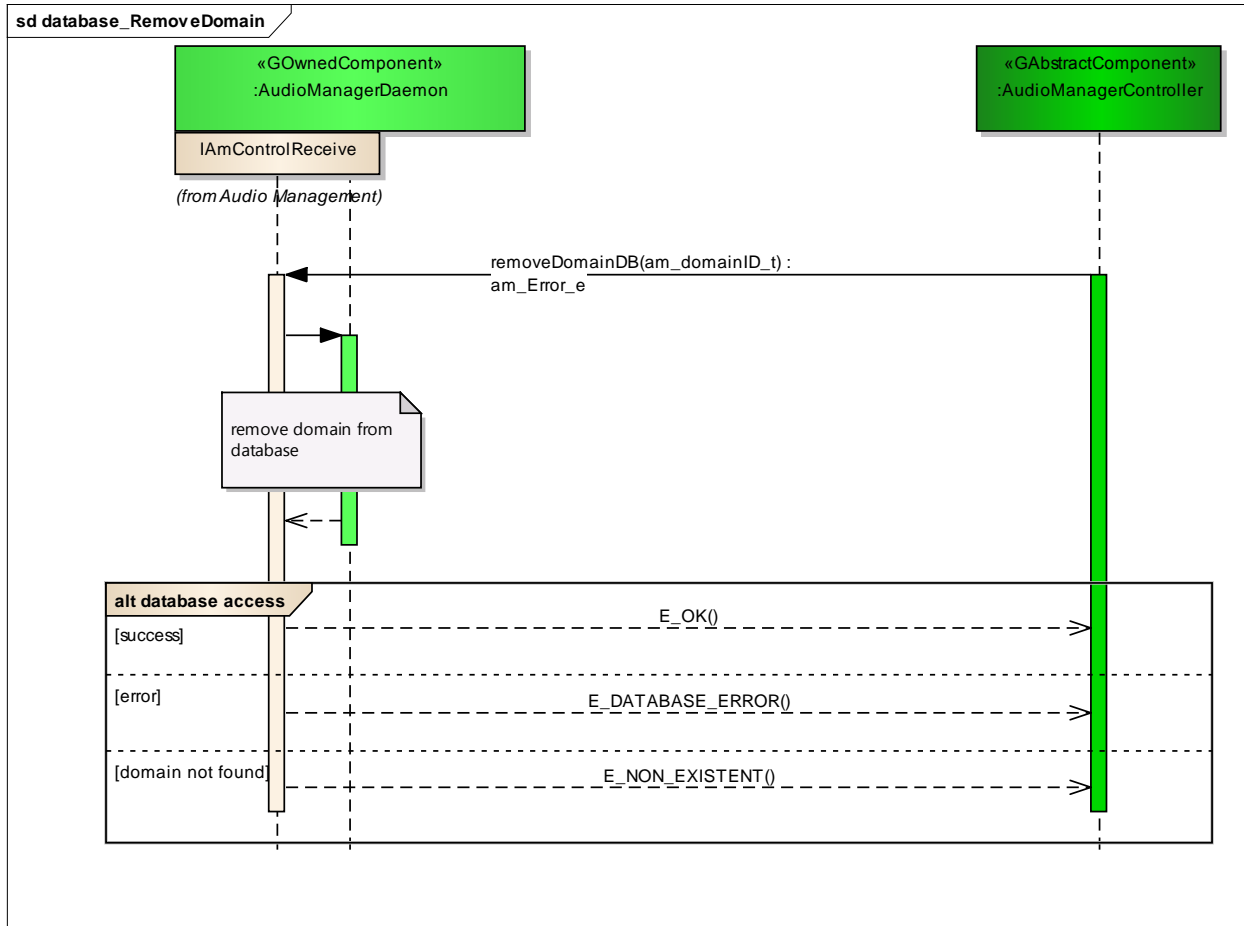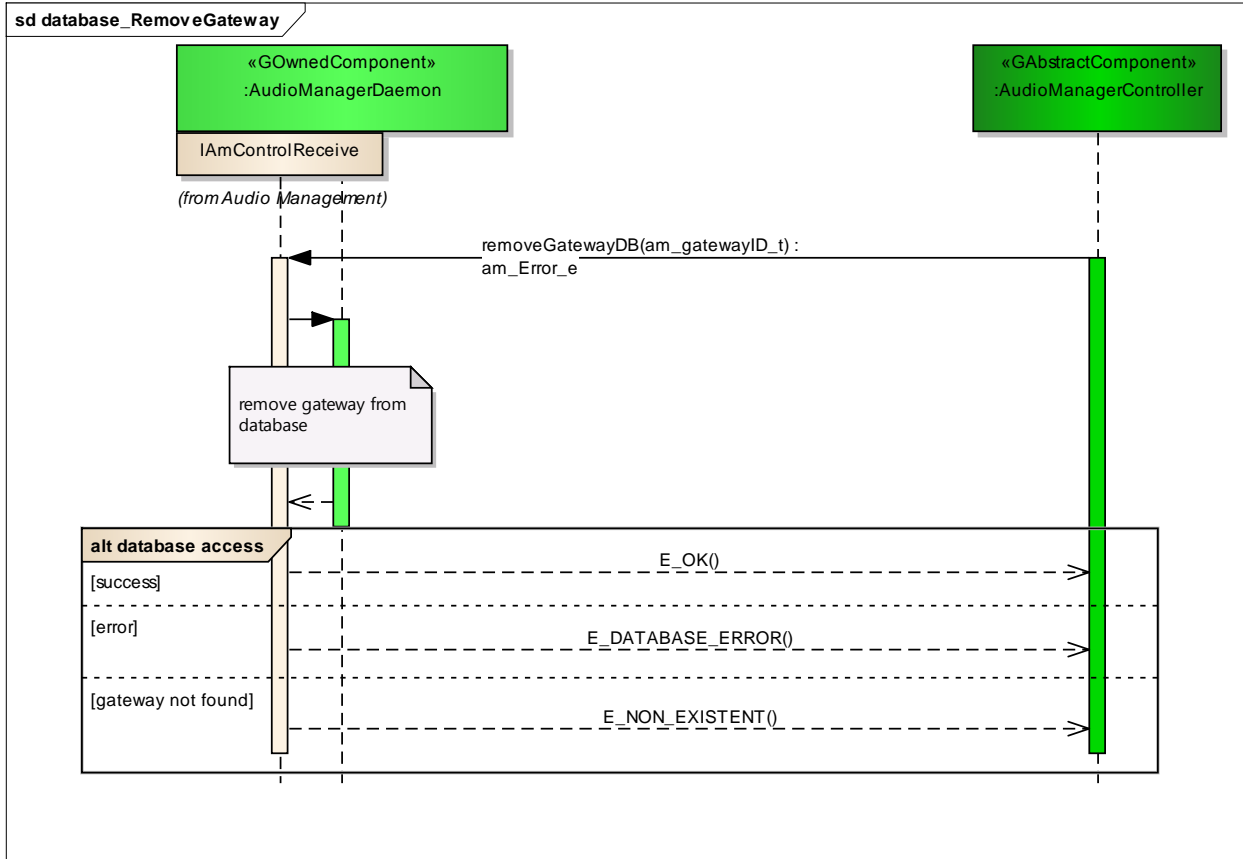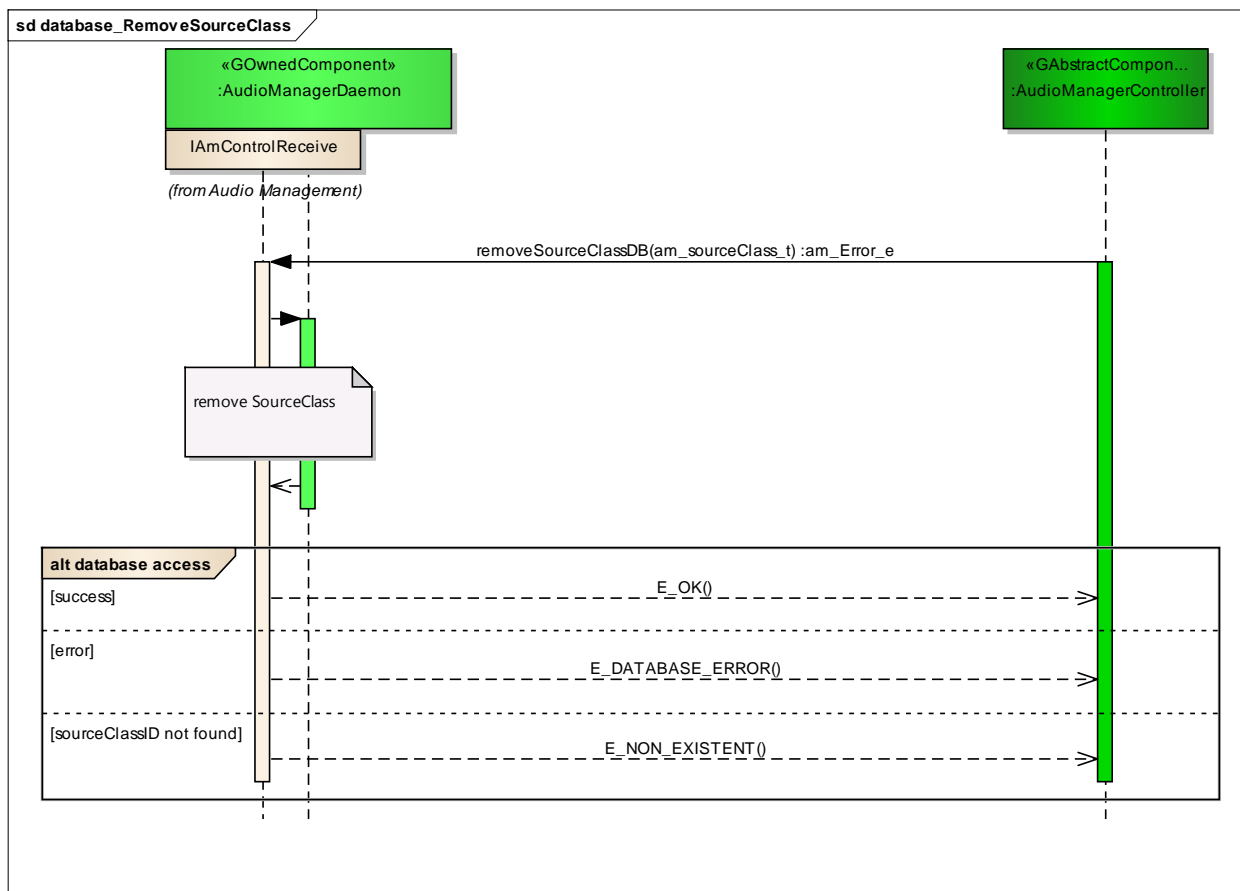
Figure: 72

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}
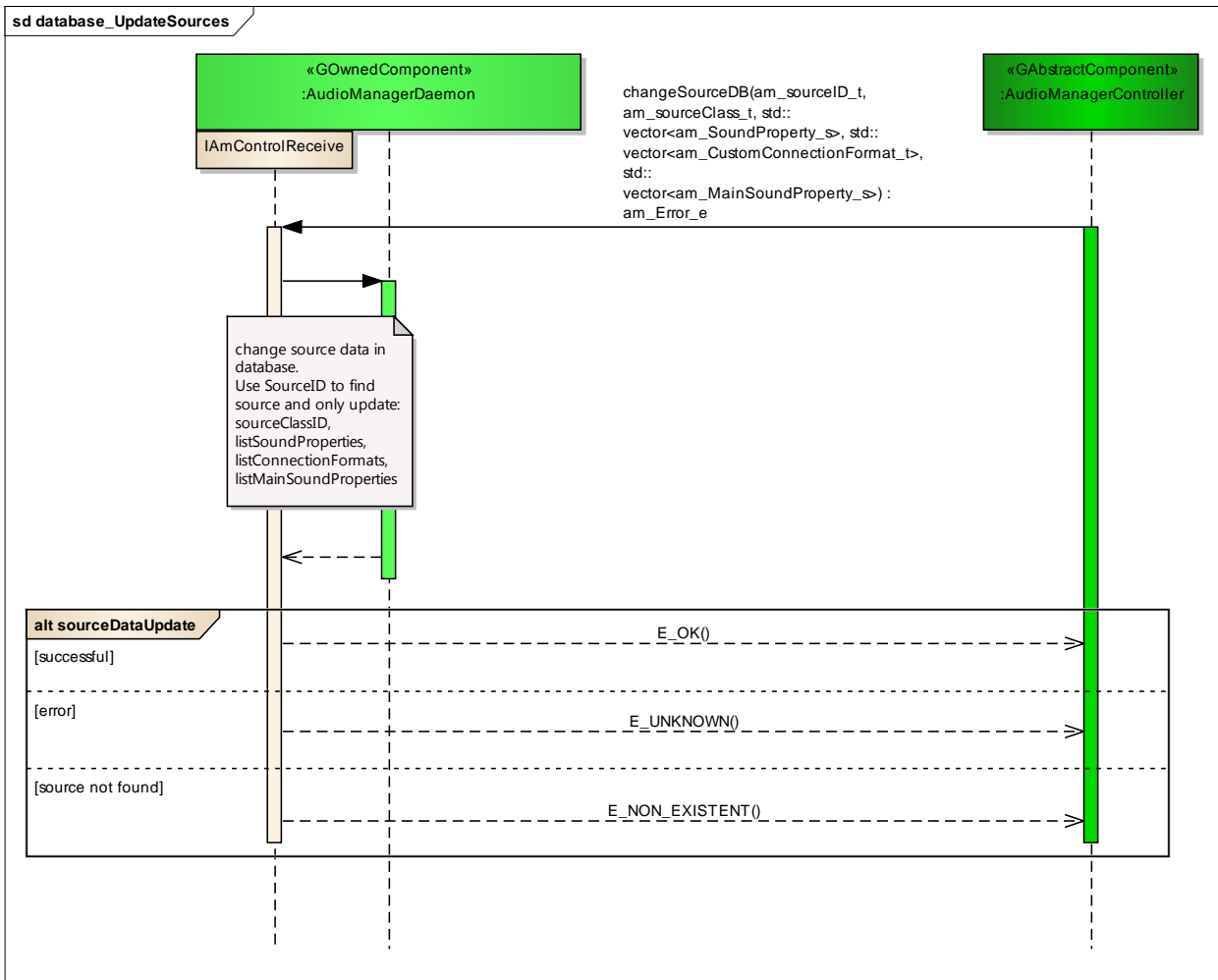
Figure: 73

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}
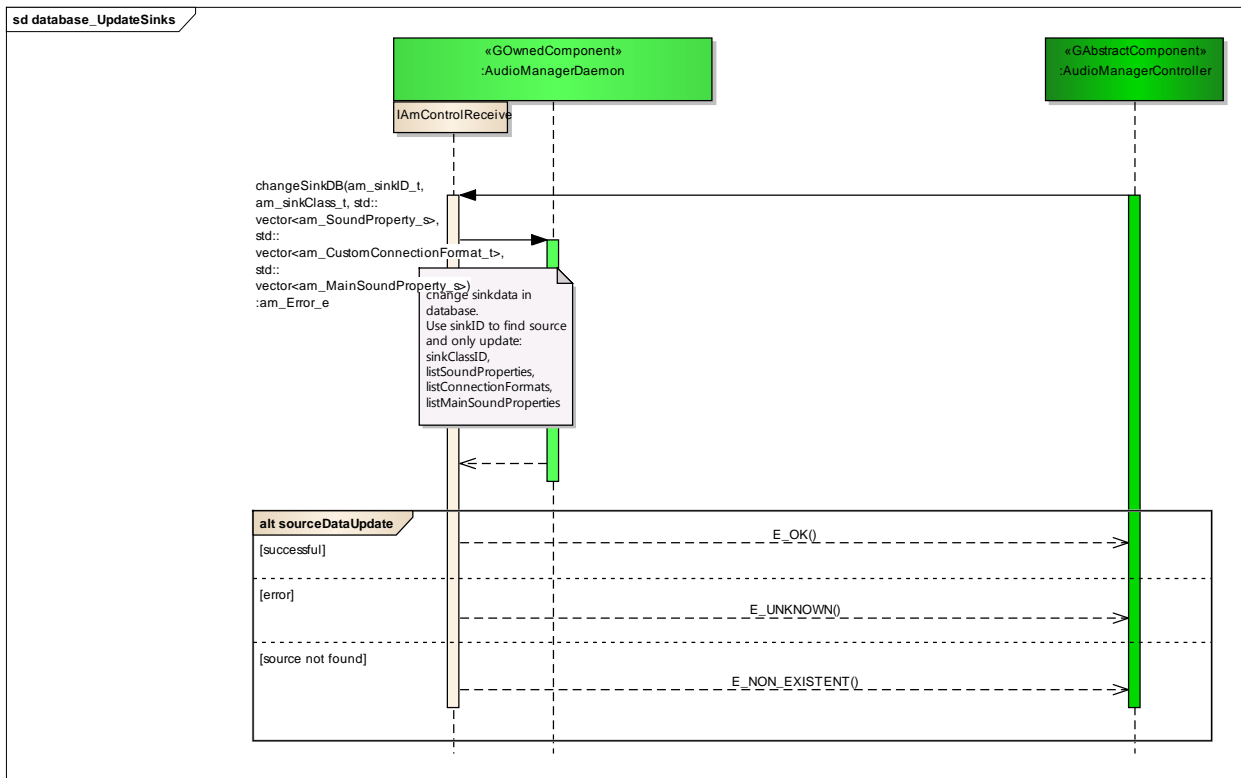
Figure: 74

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}
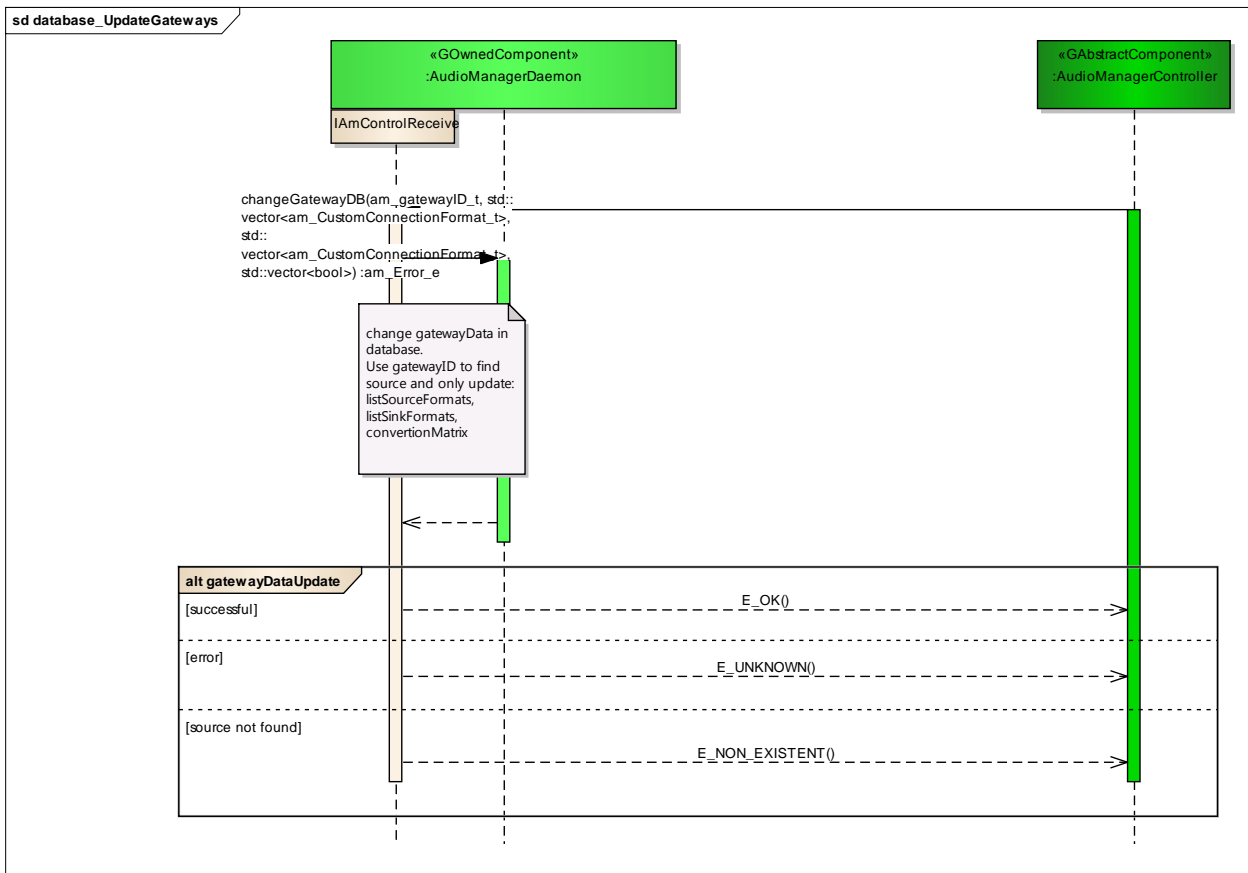
Figure: 75

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}
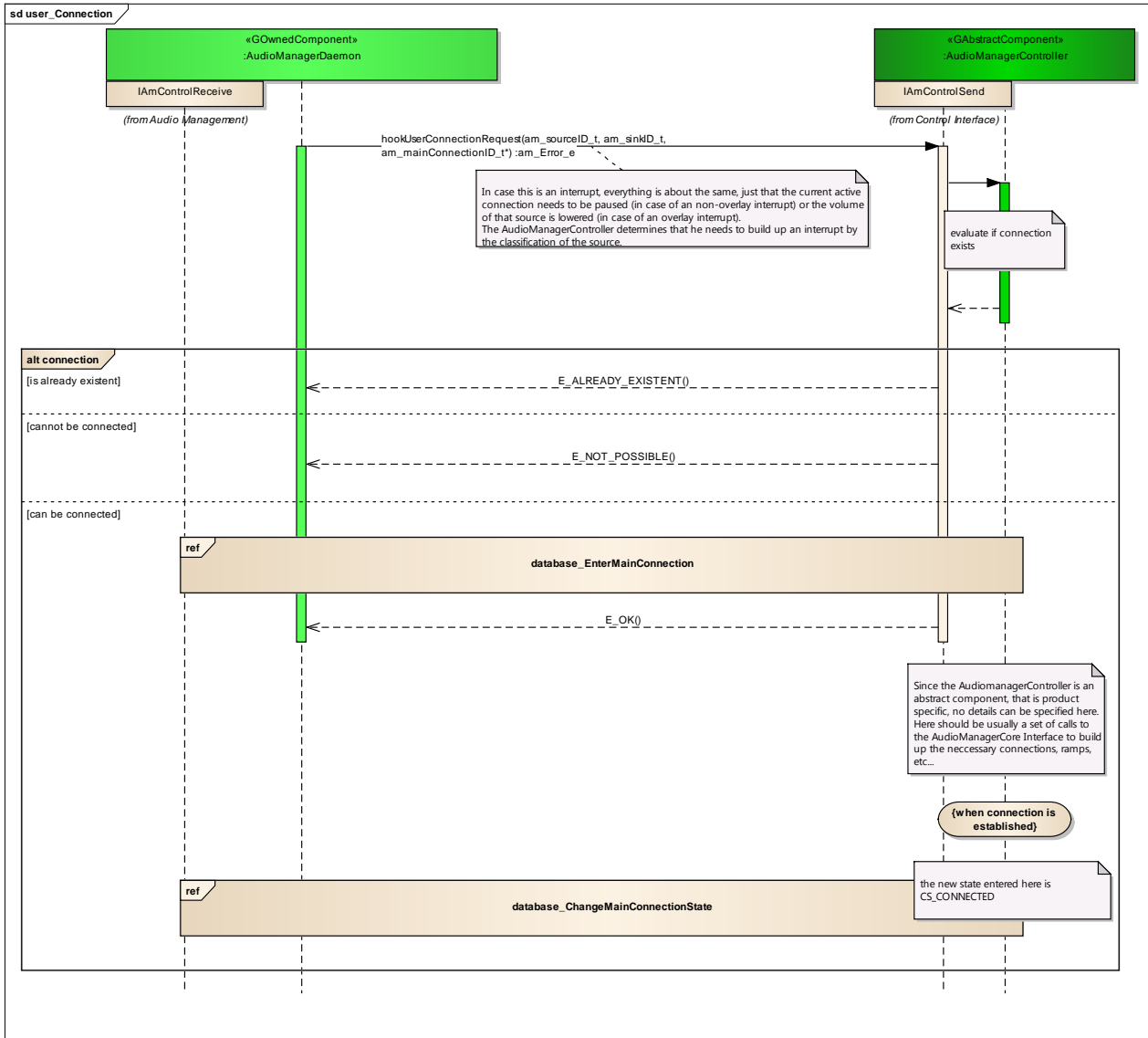
Figure: 76

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}
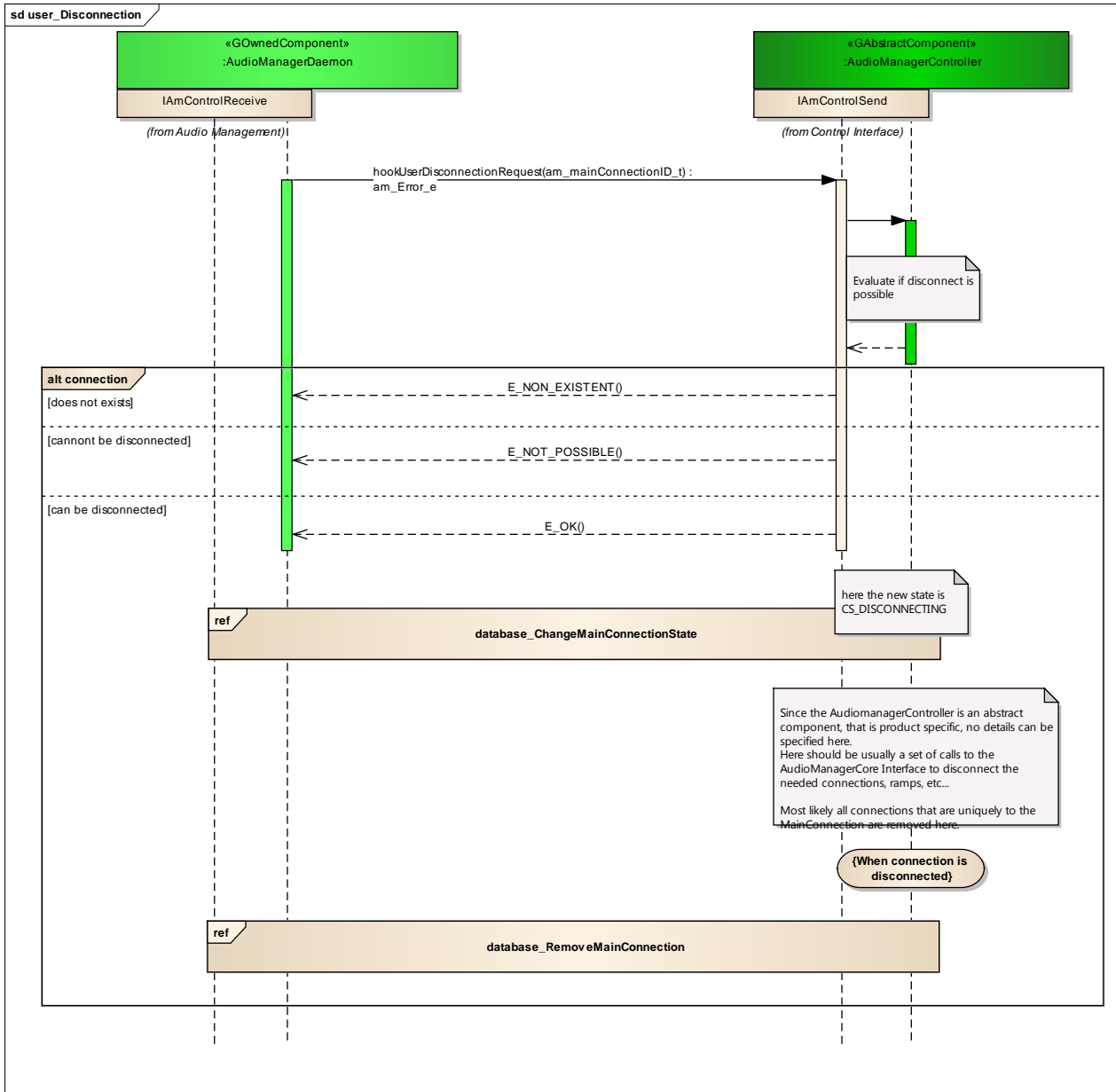
Figure: 77

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-A054-907543758FBF}

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}
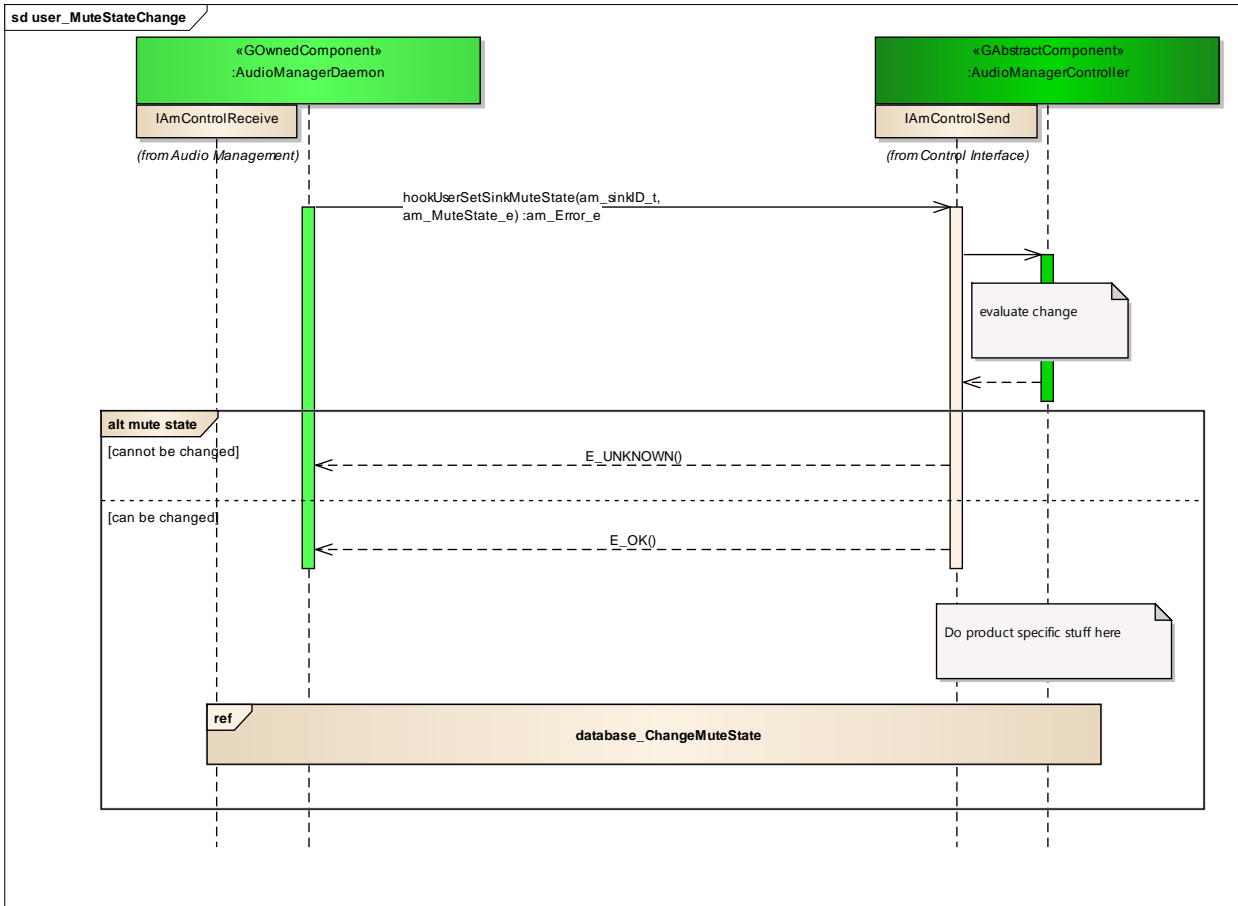
Figure: 78

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}
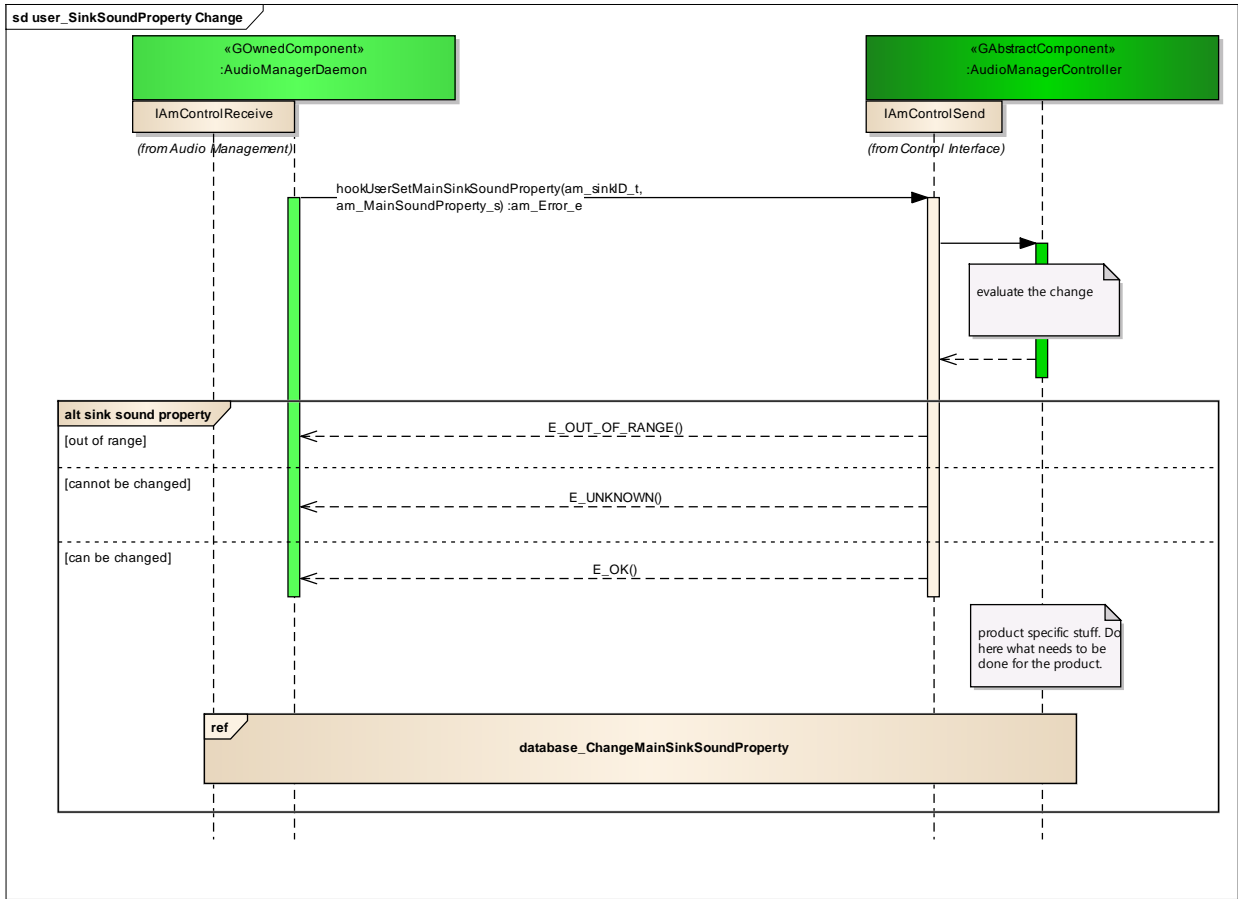
Figure: 79

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}
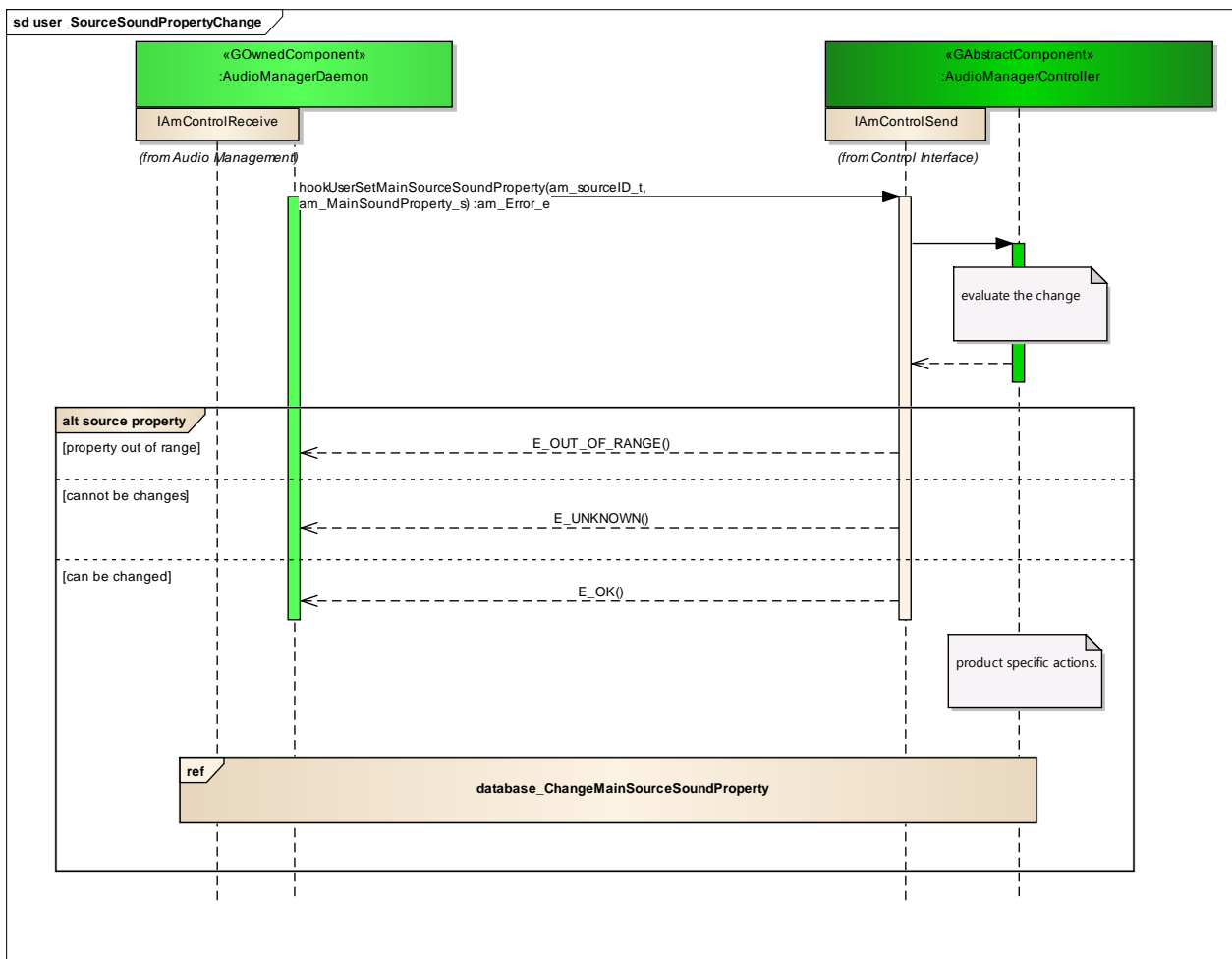
Figure: 80

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_SystemPropertyChange - *(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}
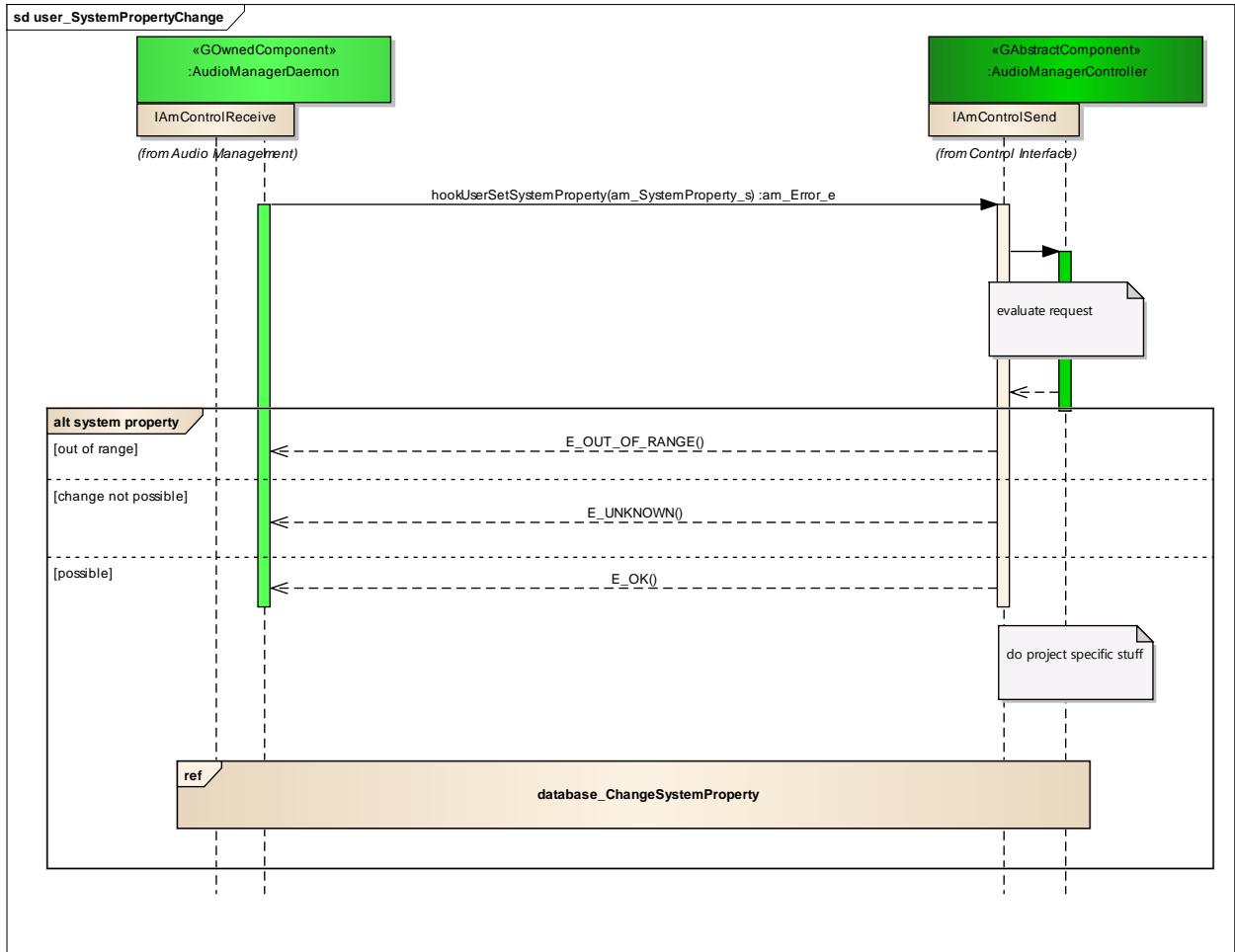
Figure: 81

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}
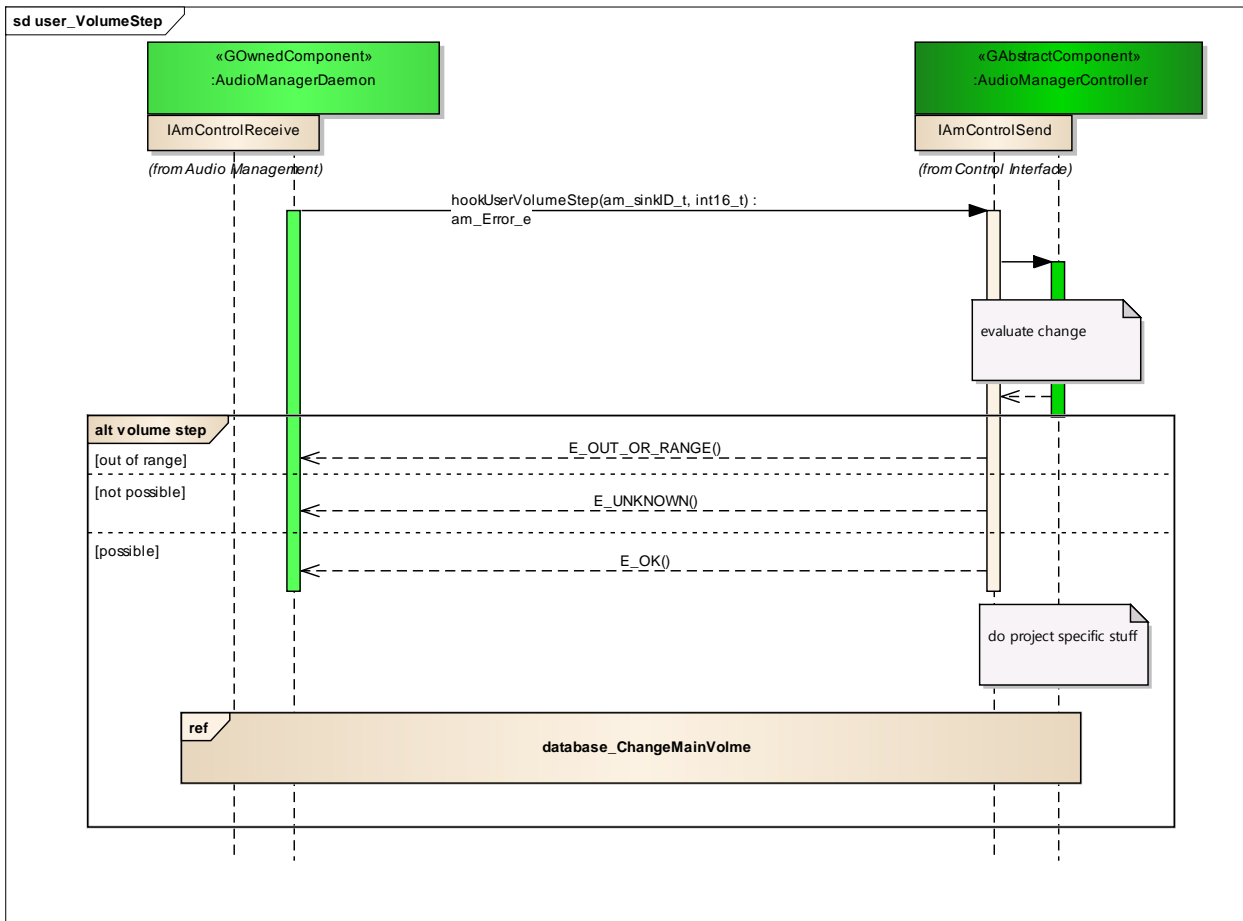
Figure: 82

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}
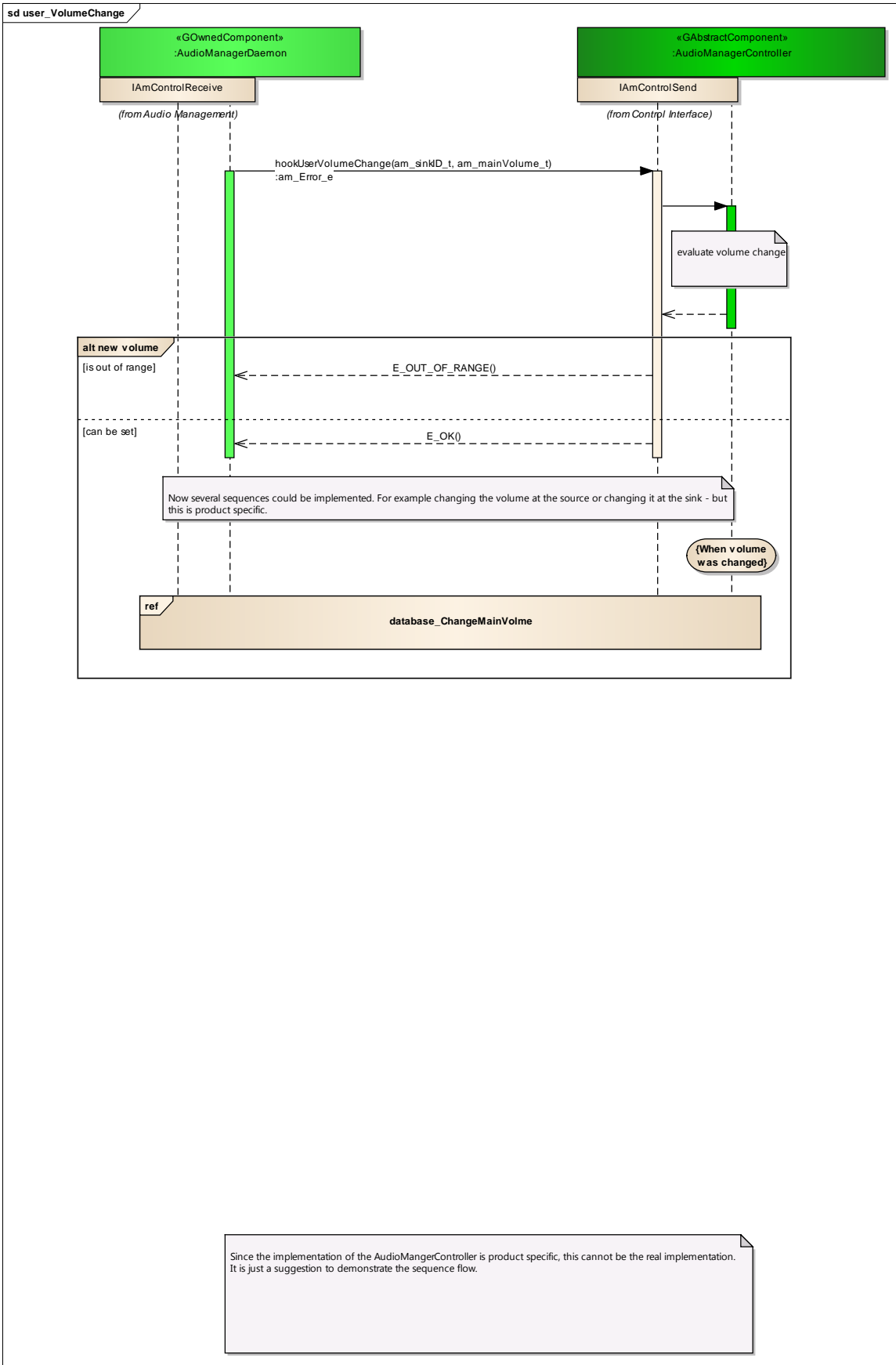
Figure: 83

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

Element	Detail	Notes
ProvidedInterface Vehicle speed	Version: 1.0	

events_MainSinkNotificationConfigurationChange

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: {F4F5863F-3236-48eb-BA07-12D409353AD5}

events_MainSinkNotificationConfigurationChange - *(Interaction diagram)*
Created By: q232968 *on* 29.01.2013
Last Modified: 29.01.2013
Version: 1.0. *Locked:* False
GUID: {D29DA93E-4B9E-4e56-A498-597B289CA1AB}
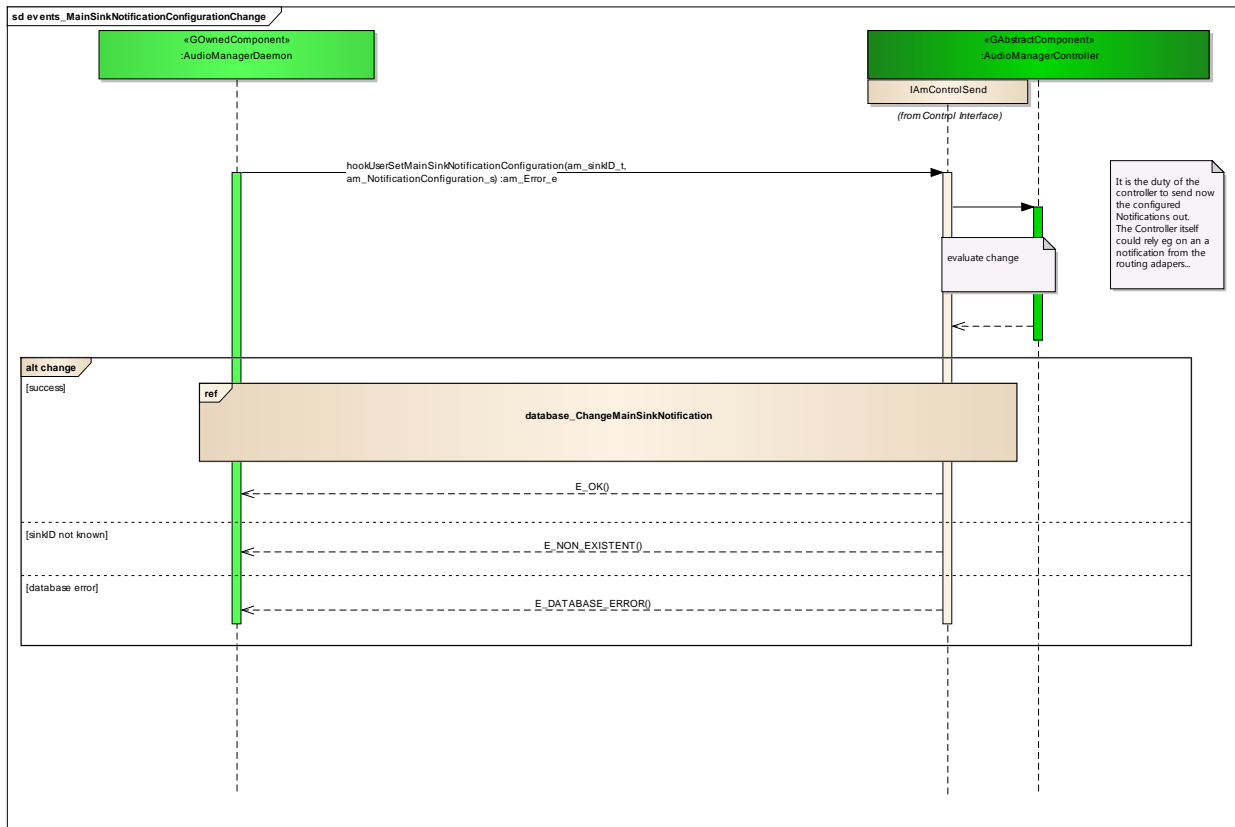
Figure: 84

change

Type: **InteractionFragment**
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: {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}
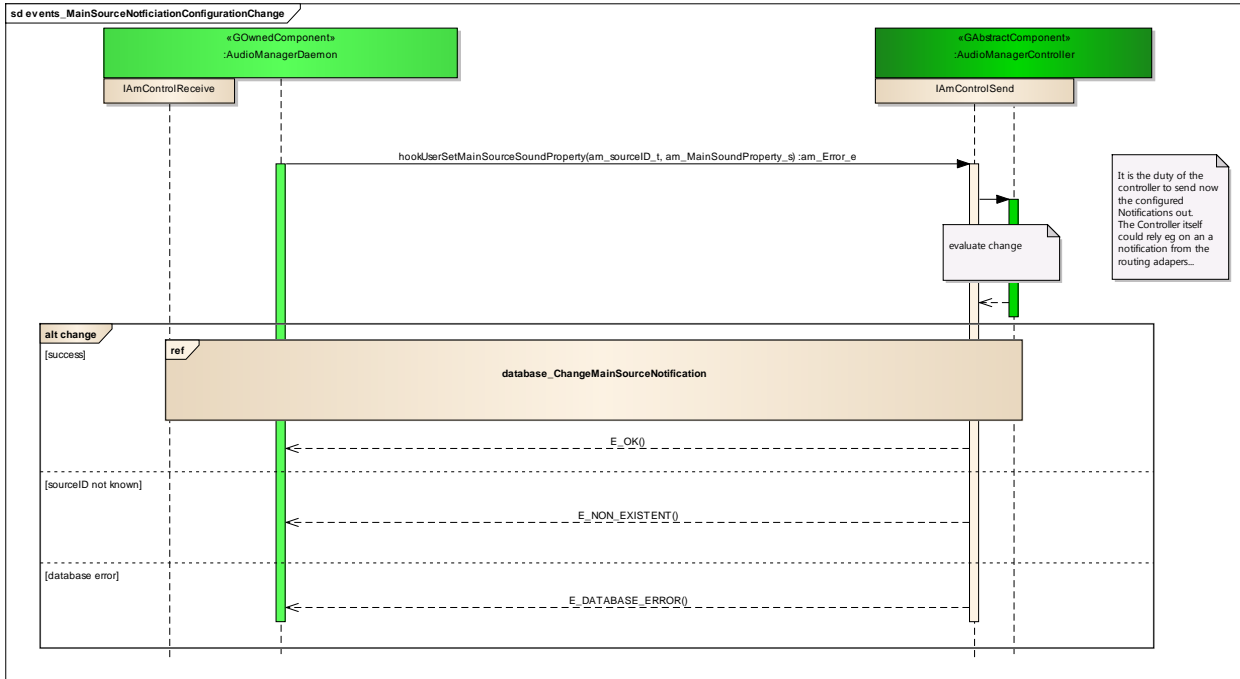
Figure: 85

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}
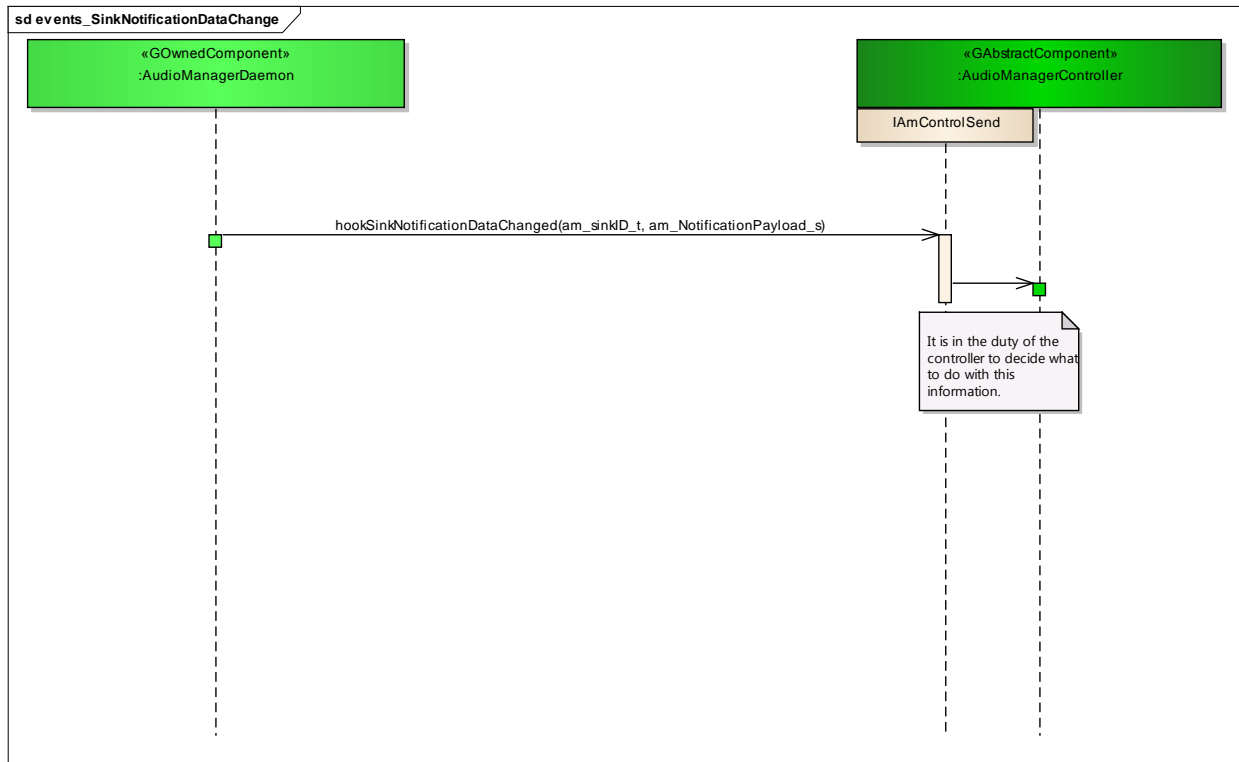
Figure: 86

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}
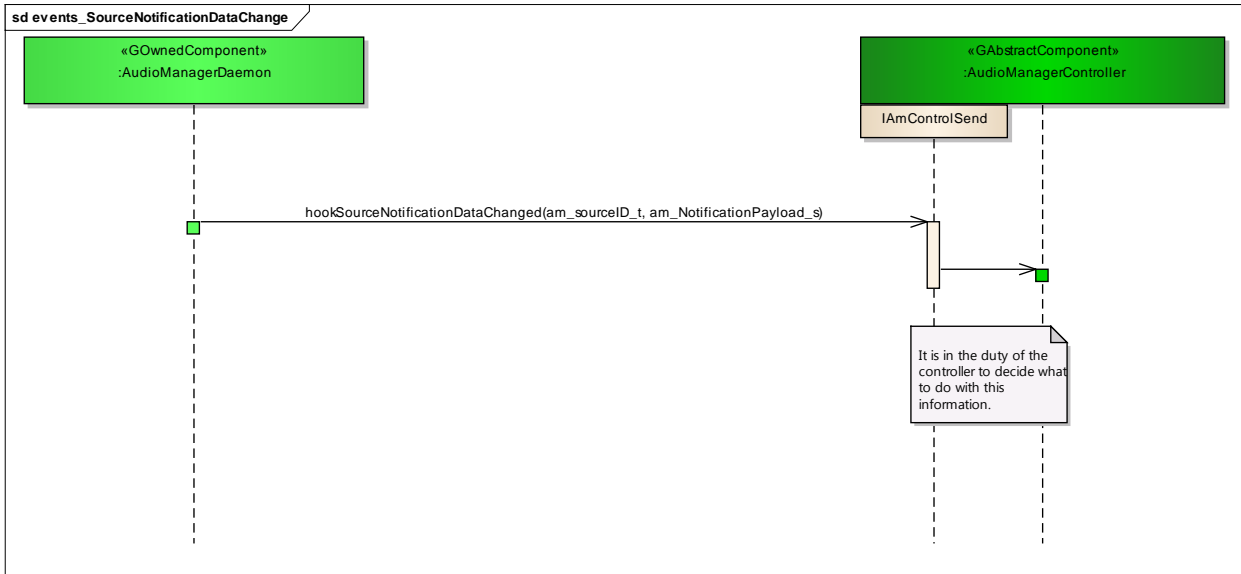
Figure: 87

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}
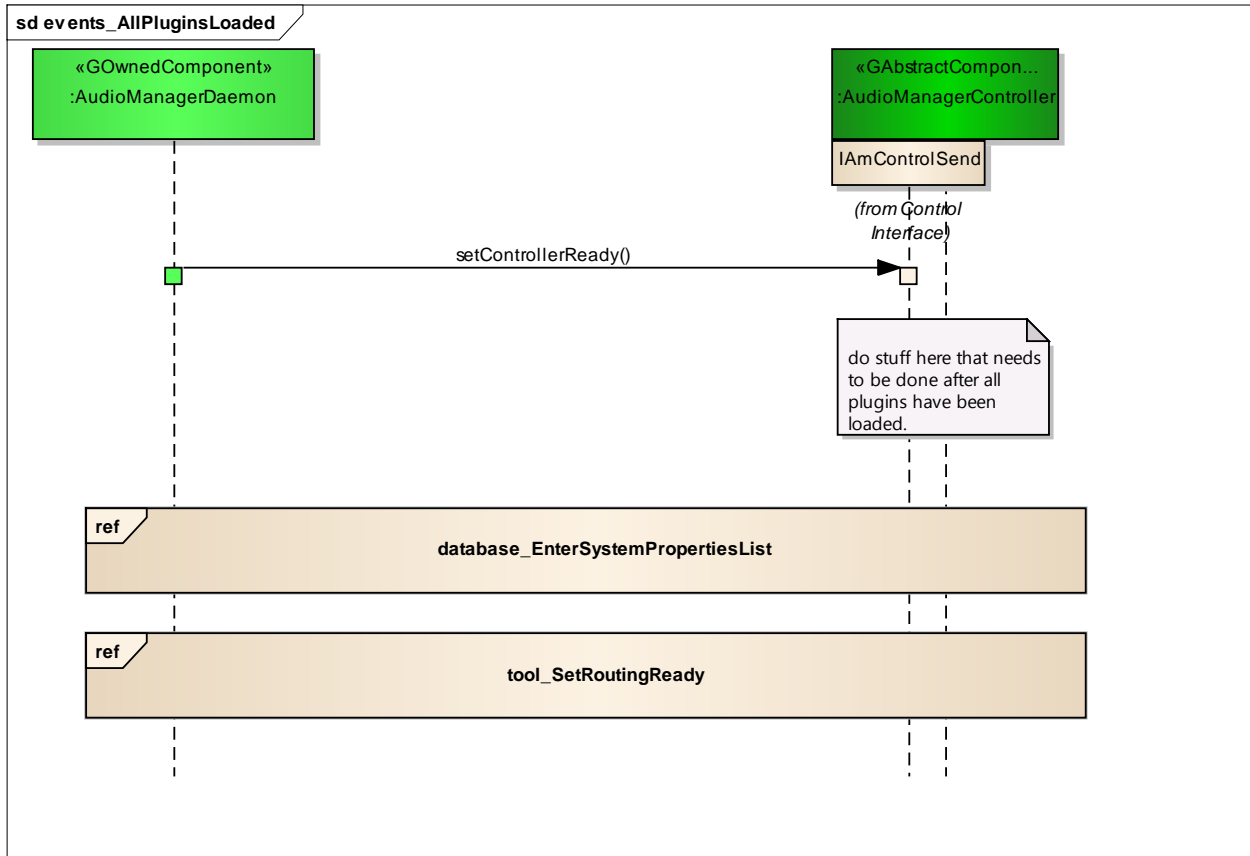
Figure: 88

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}
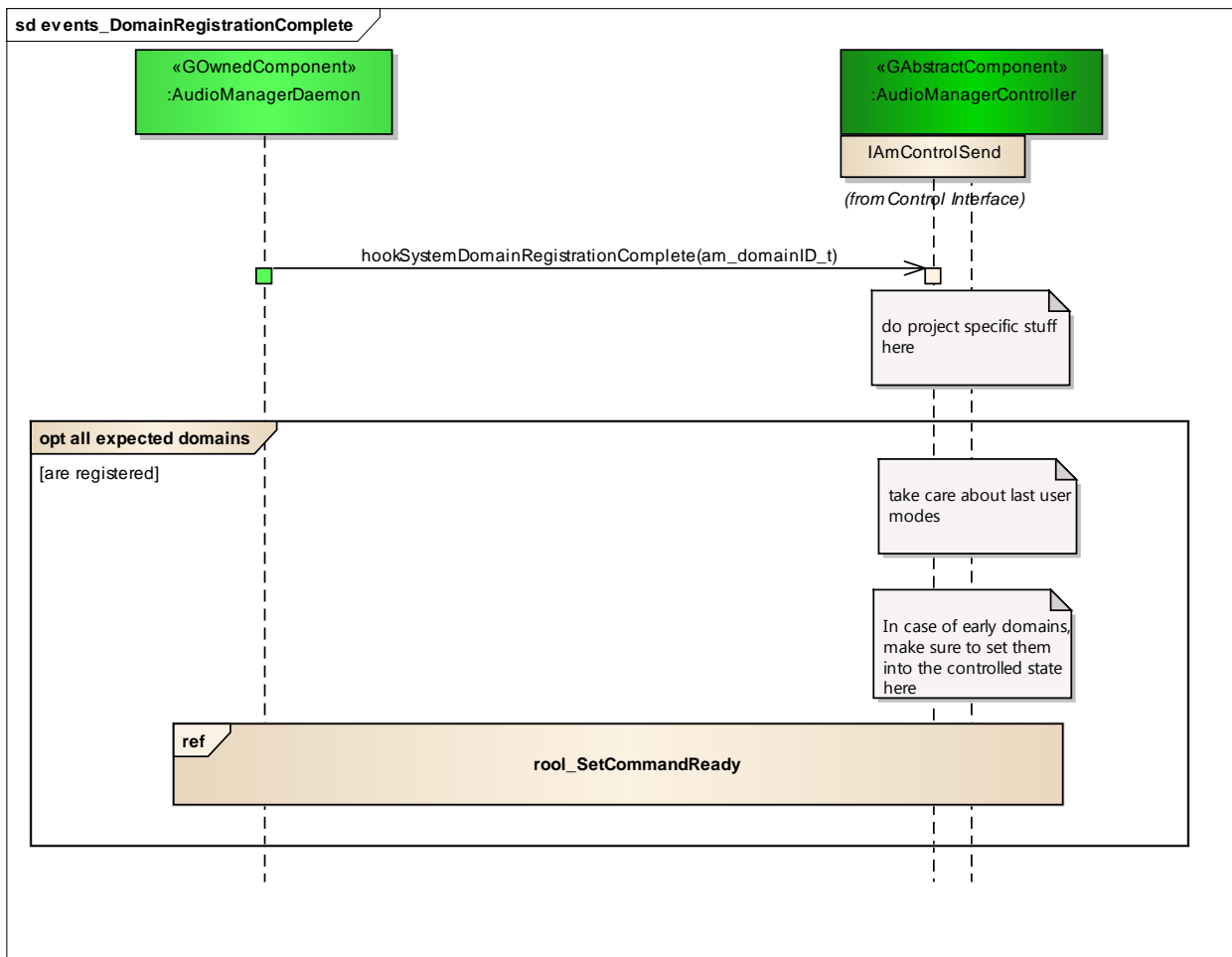
Figure: 89

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}
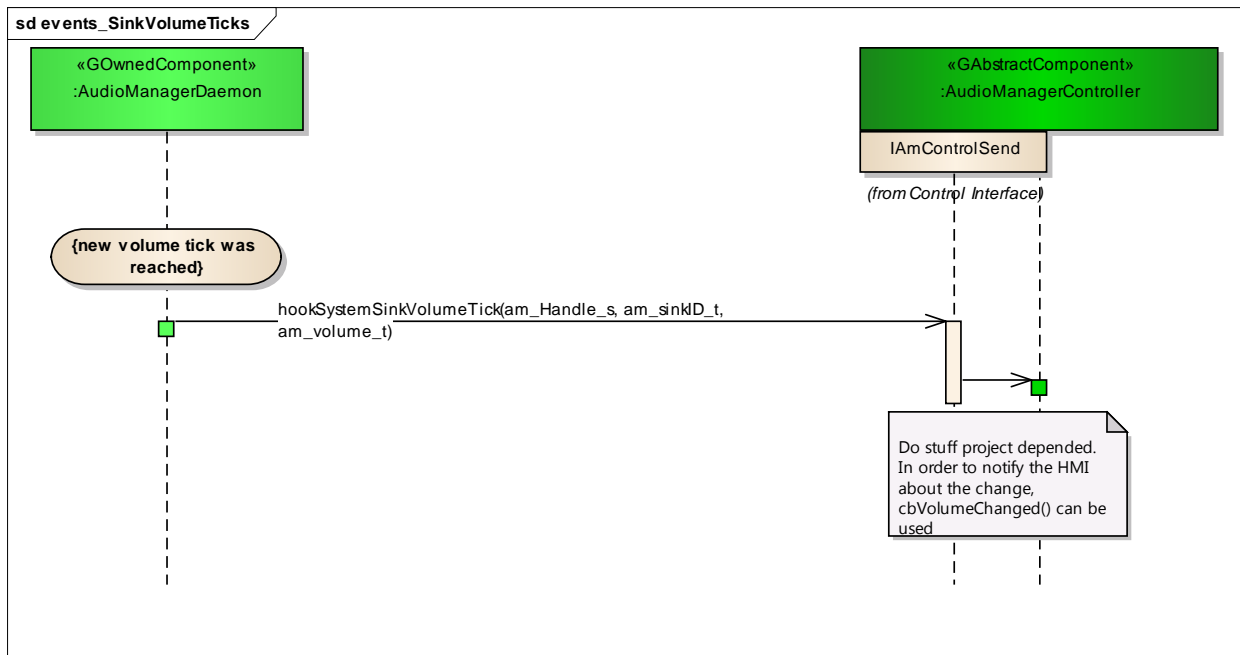
Figure: 90

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}
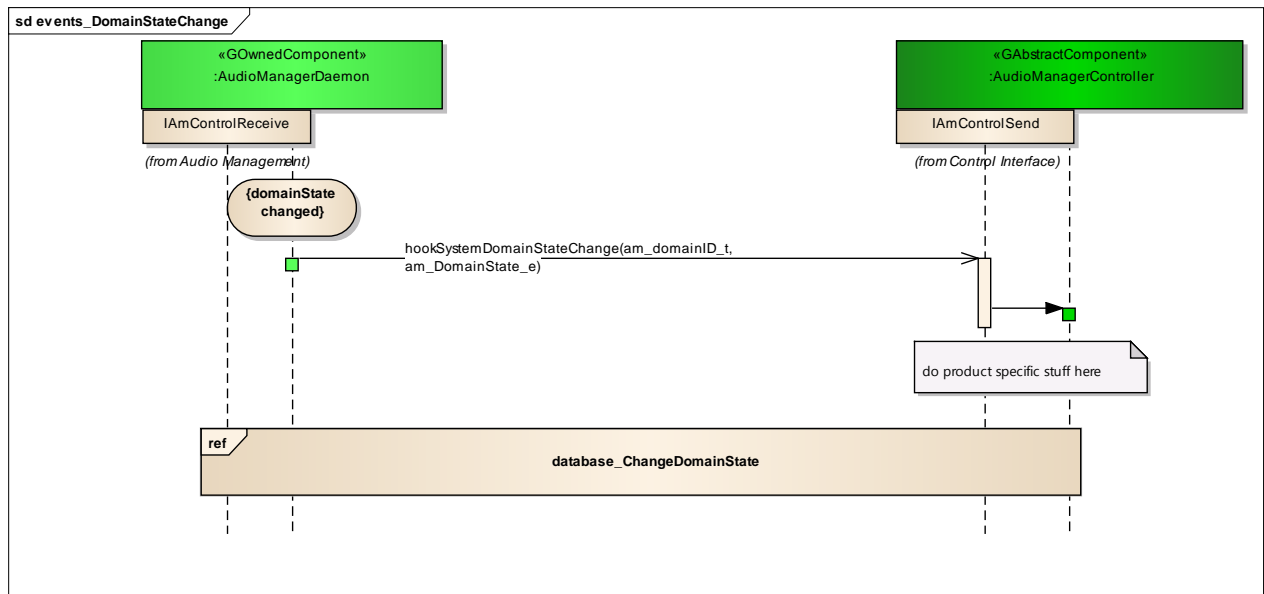
Figure: 92

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}
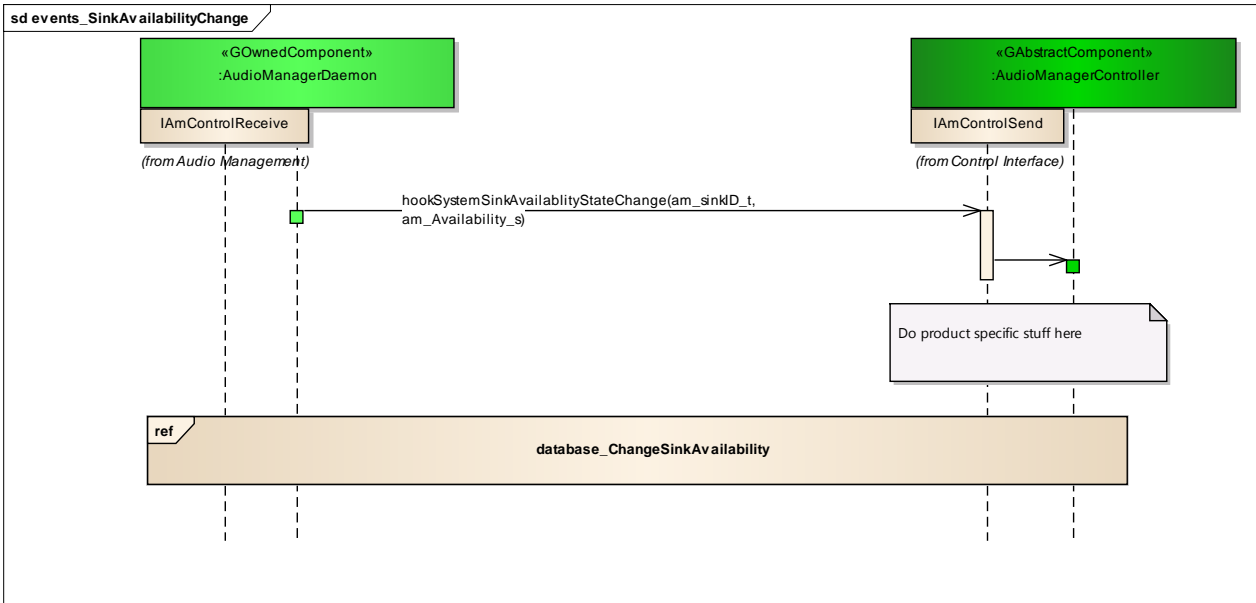
Figure: 93

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}
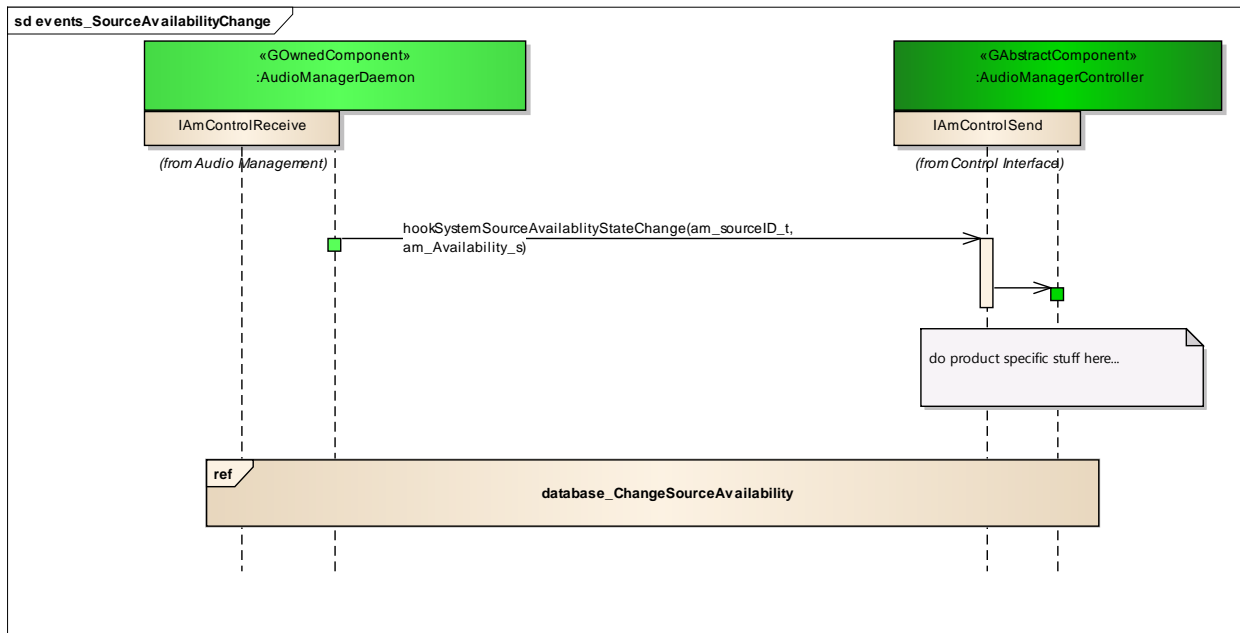
Figure: 94

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

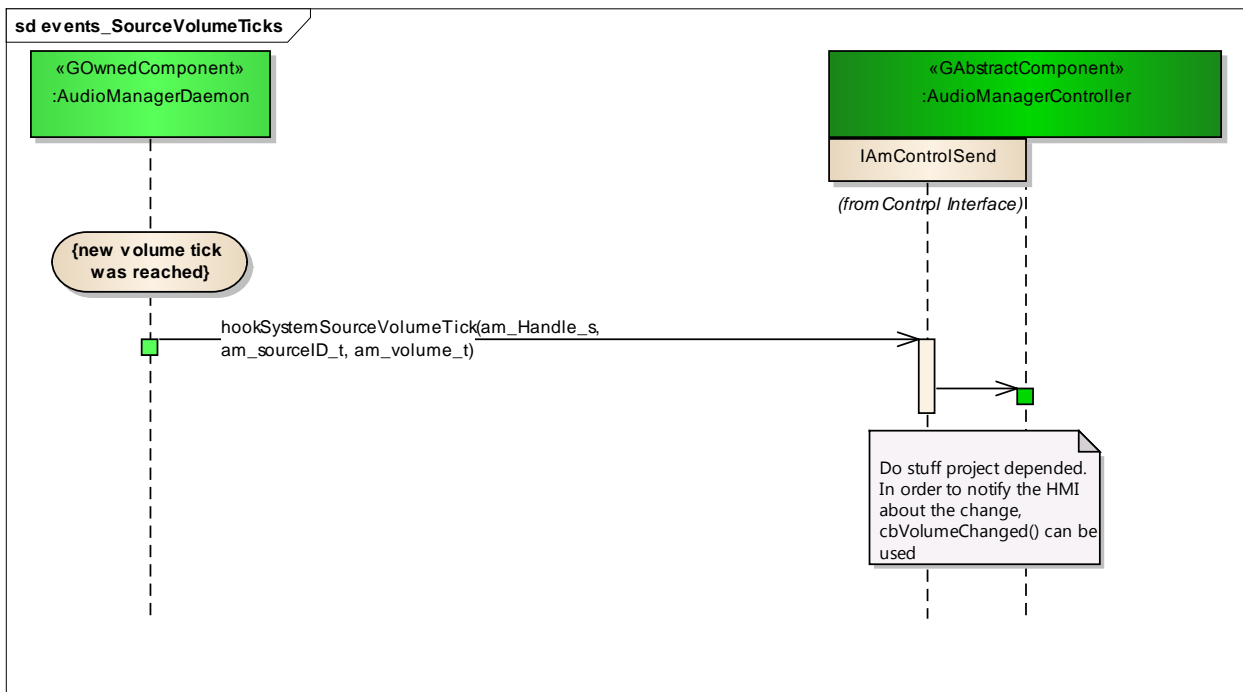|	
Type:	**InteractionFragment**
Status:	Proposed. Version 1.0. Phase 1.0.
Package:	events_SourceAvailabilityChange *Keywords:*
Detail:	Created on 19.09.2011. Last modified on 19.09.2011.
GUID:	{960DFE8A-3180-416a-9DB6-E5012E8919A4}

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}
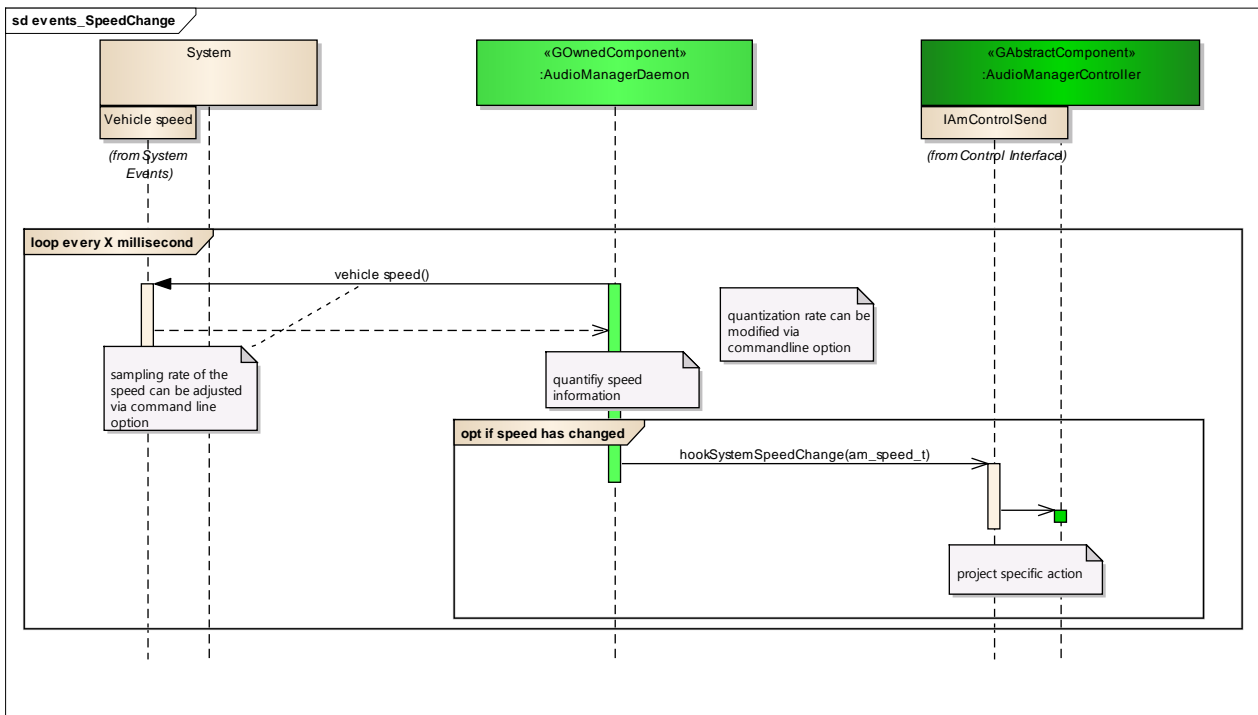
Figure: 95

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}
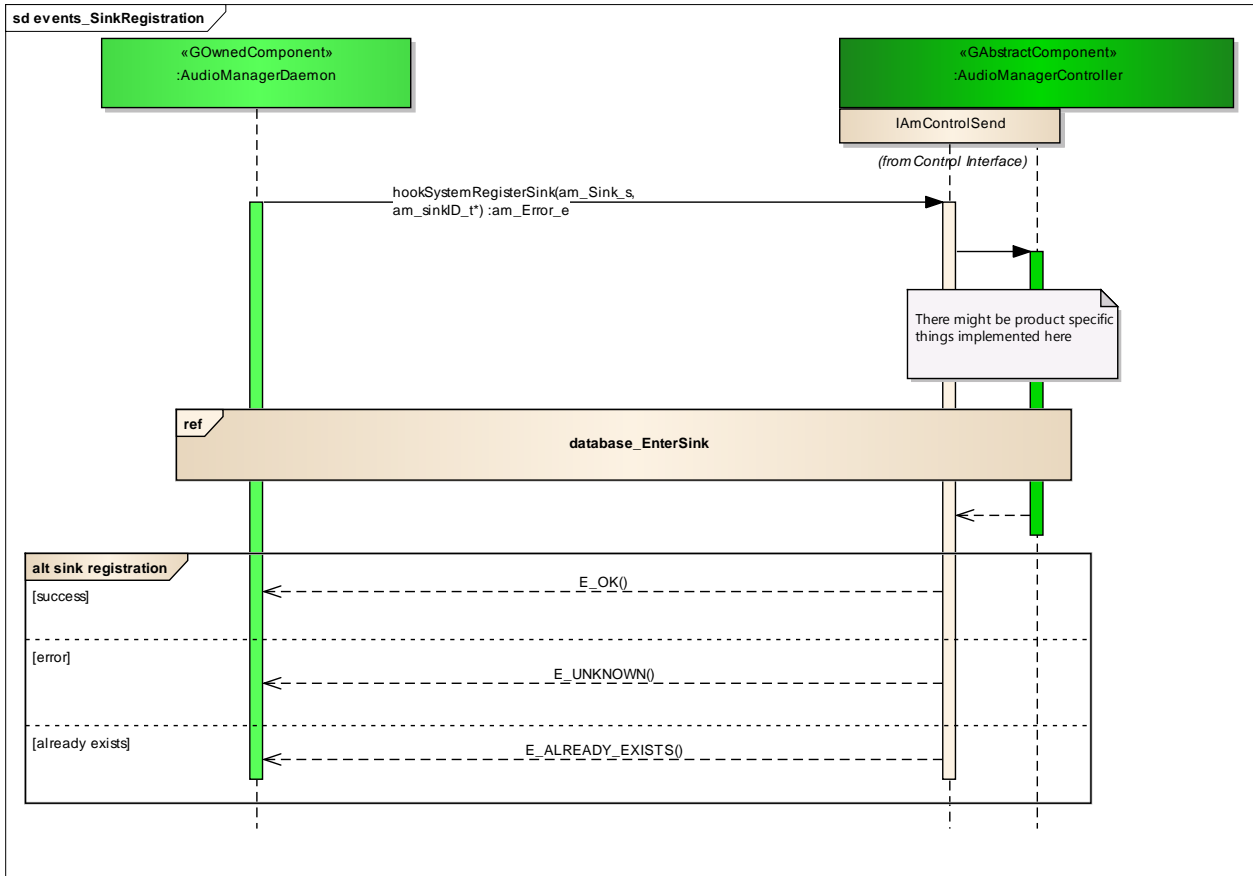
Figure: 96

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}
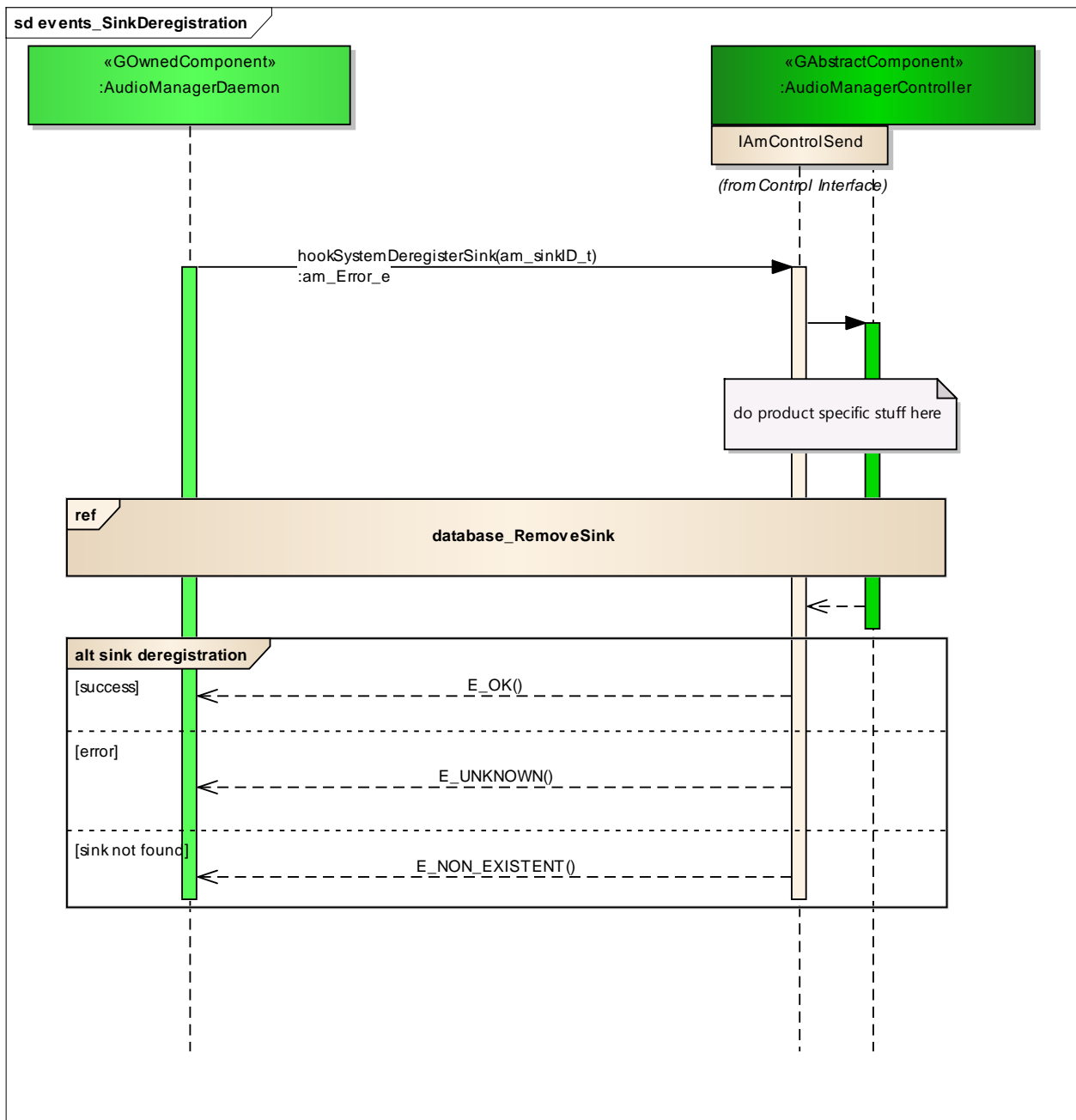
Figure: 97

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}
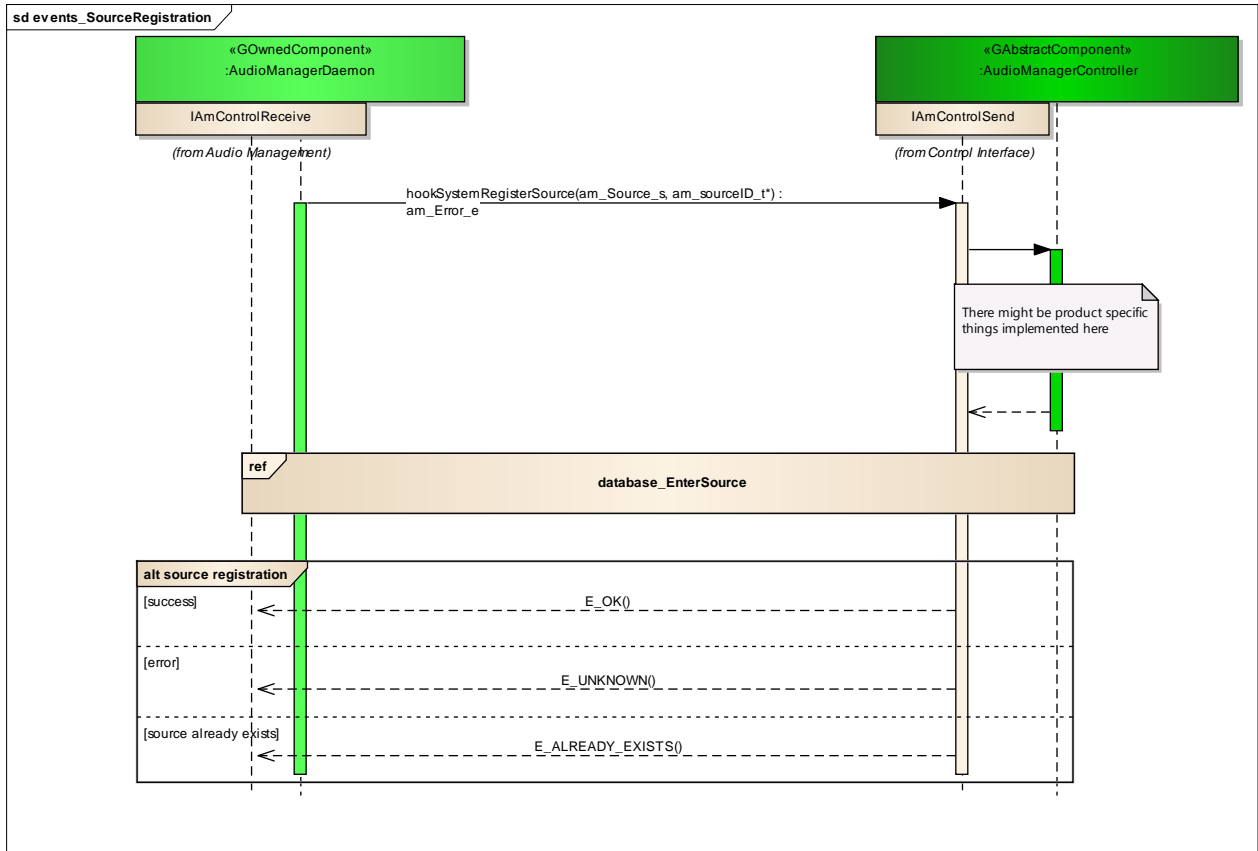
Figure: 98

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}
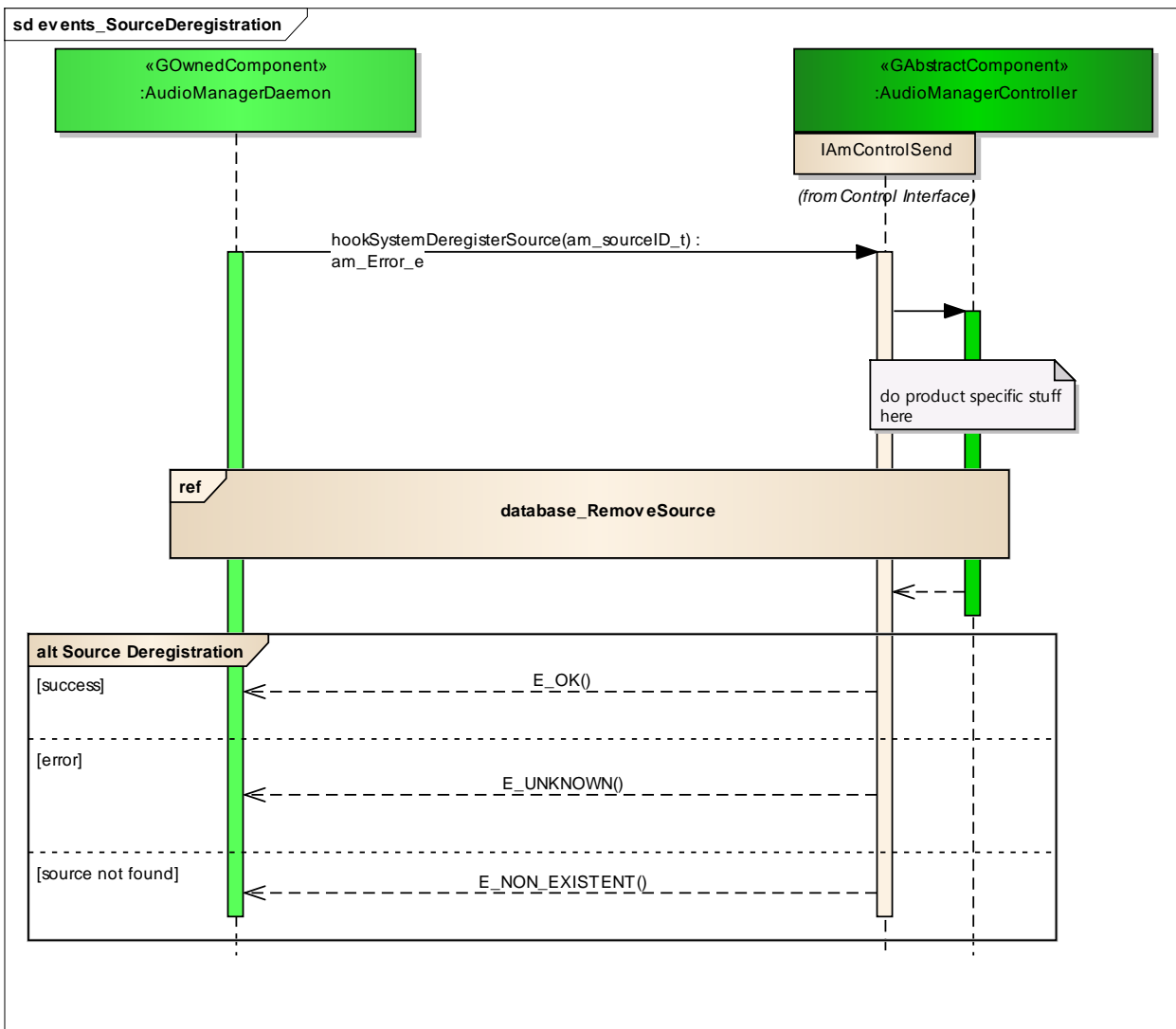
Figure: 99

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}
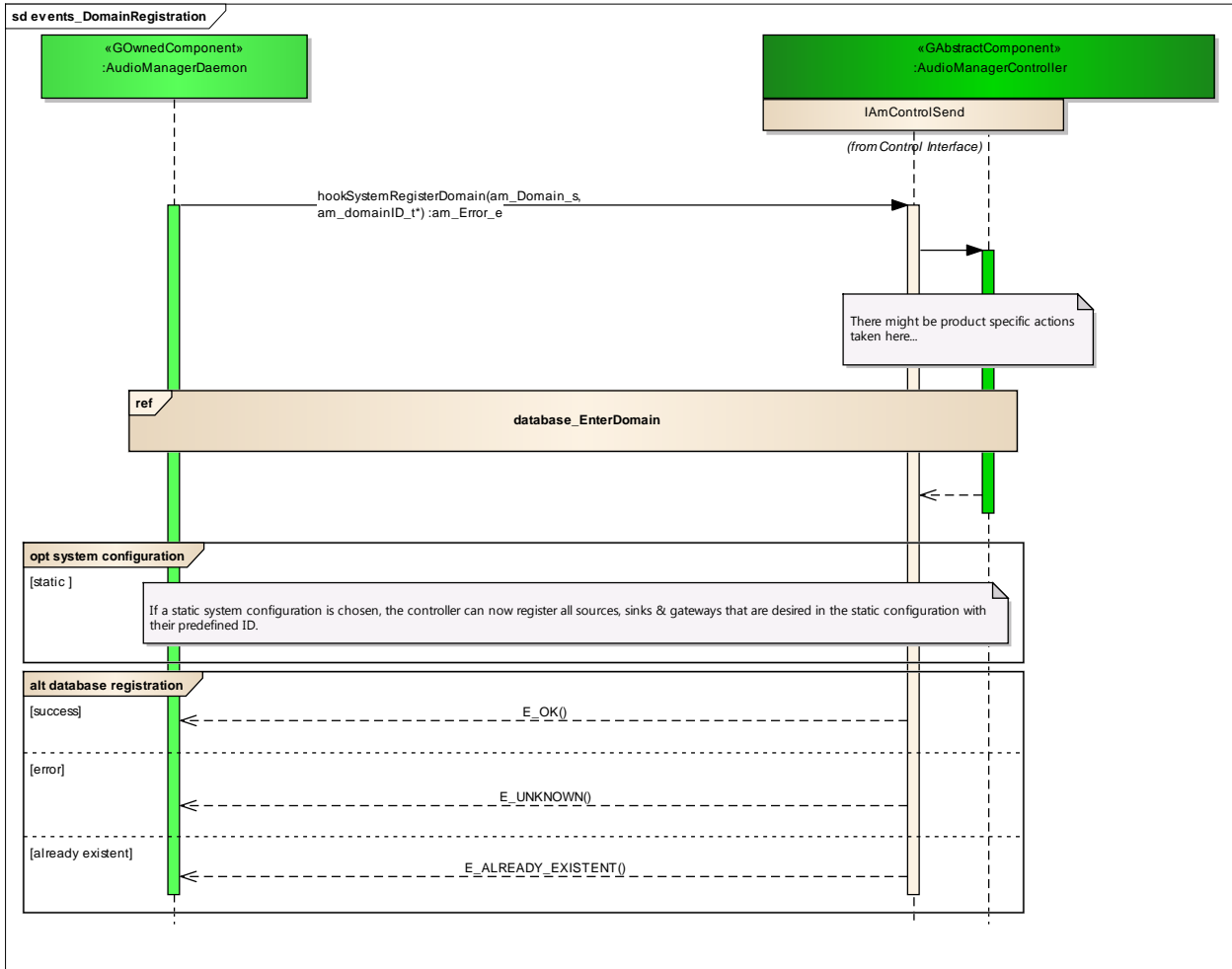
Figure: 100

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}
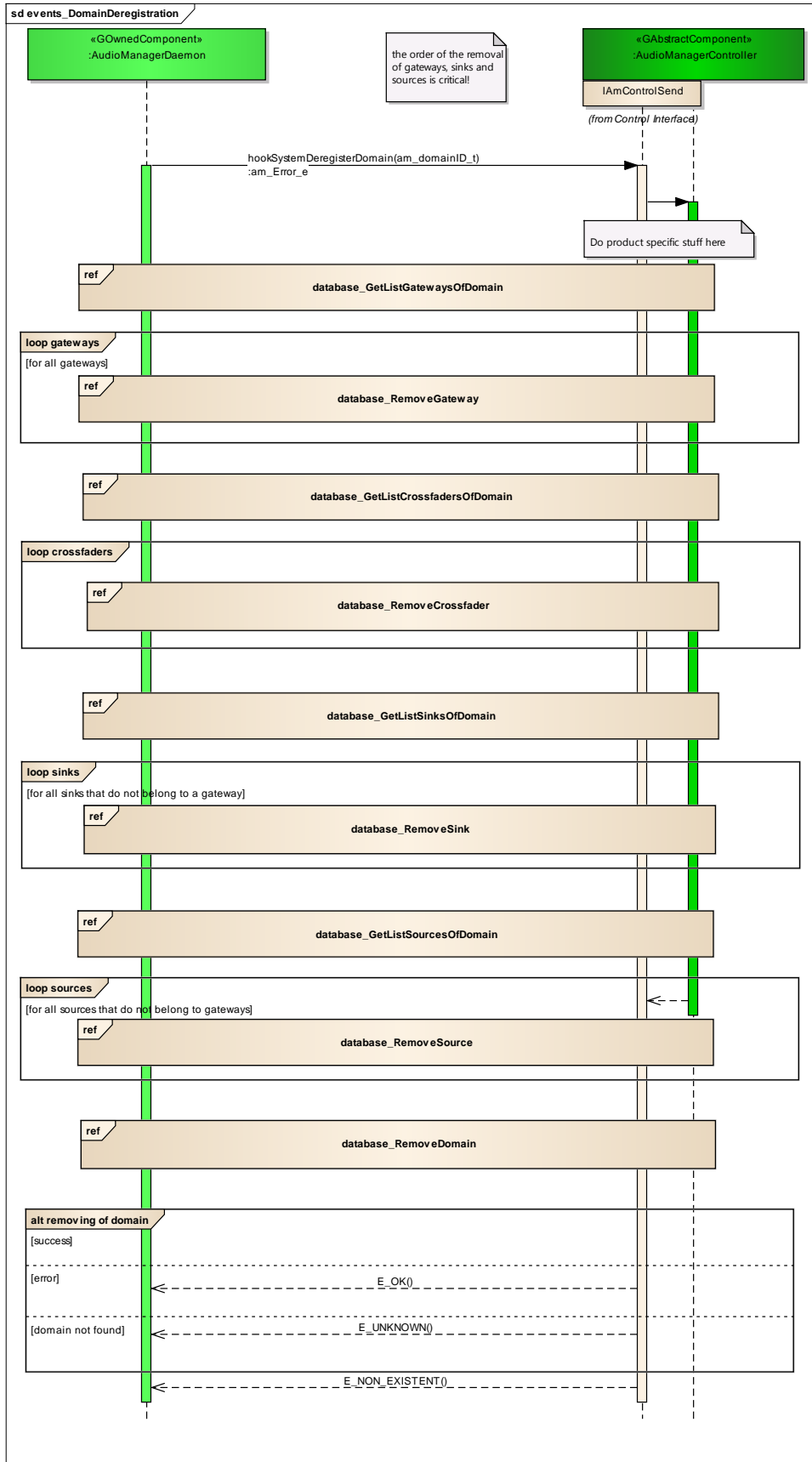
Figure: 101

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-F7F777752DE7}
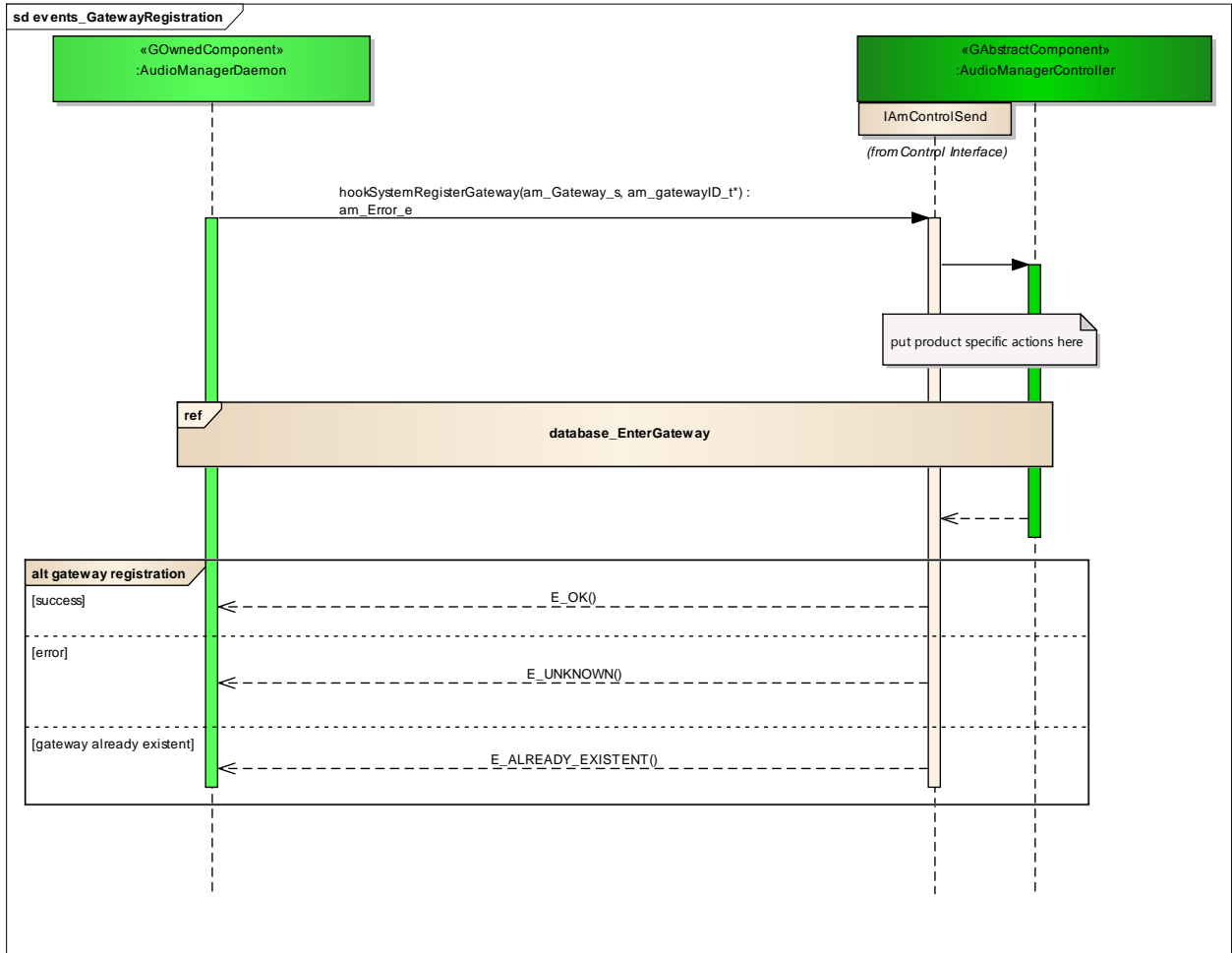
Figure: 102

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}
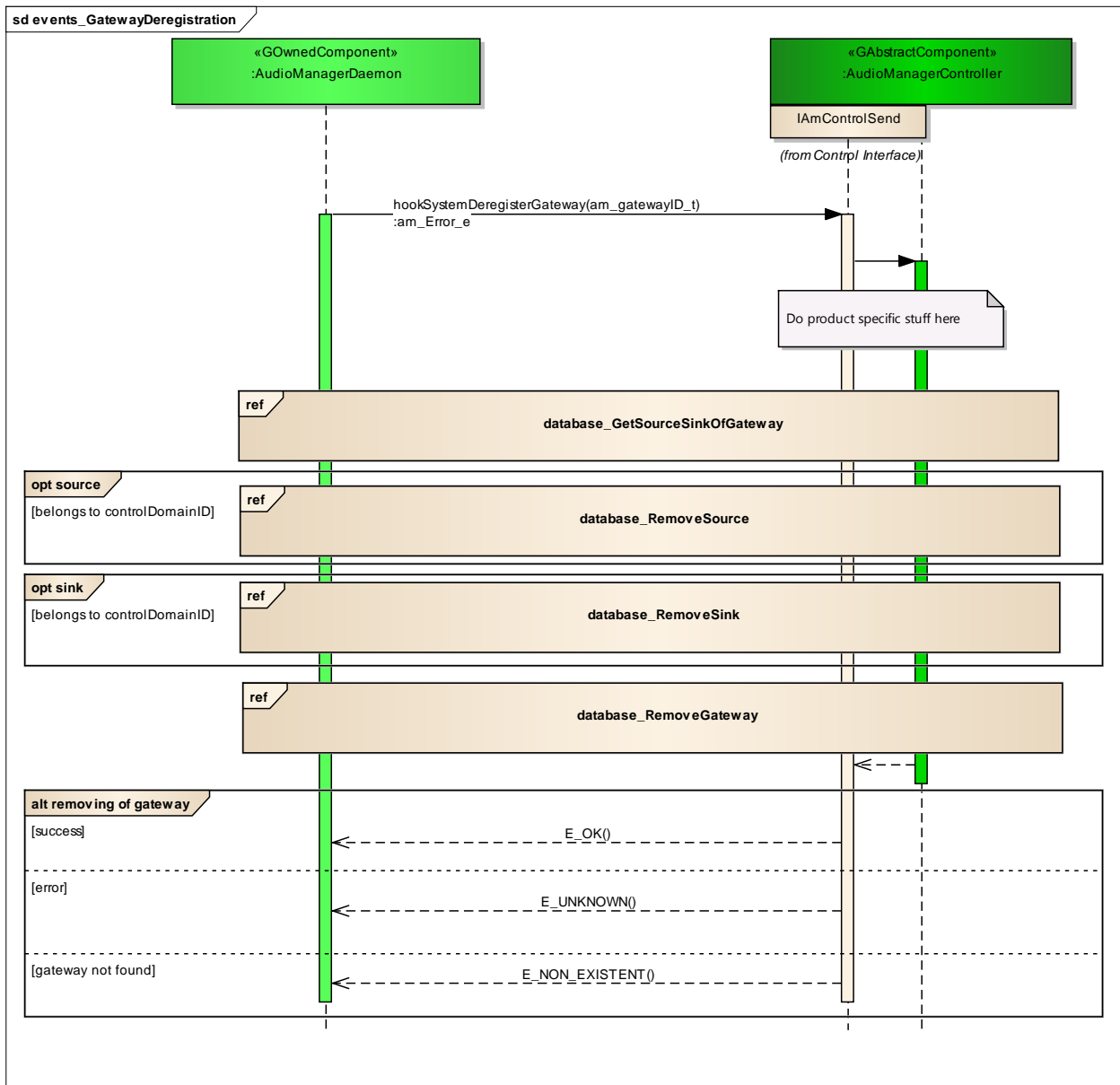
Figure: 103

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-97F0-7CADDC80BBDD}

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}
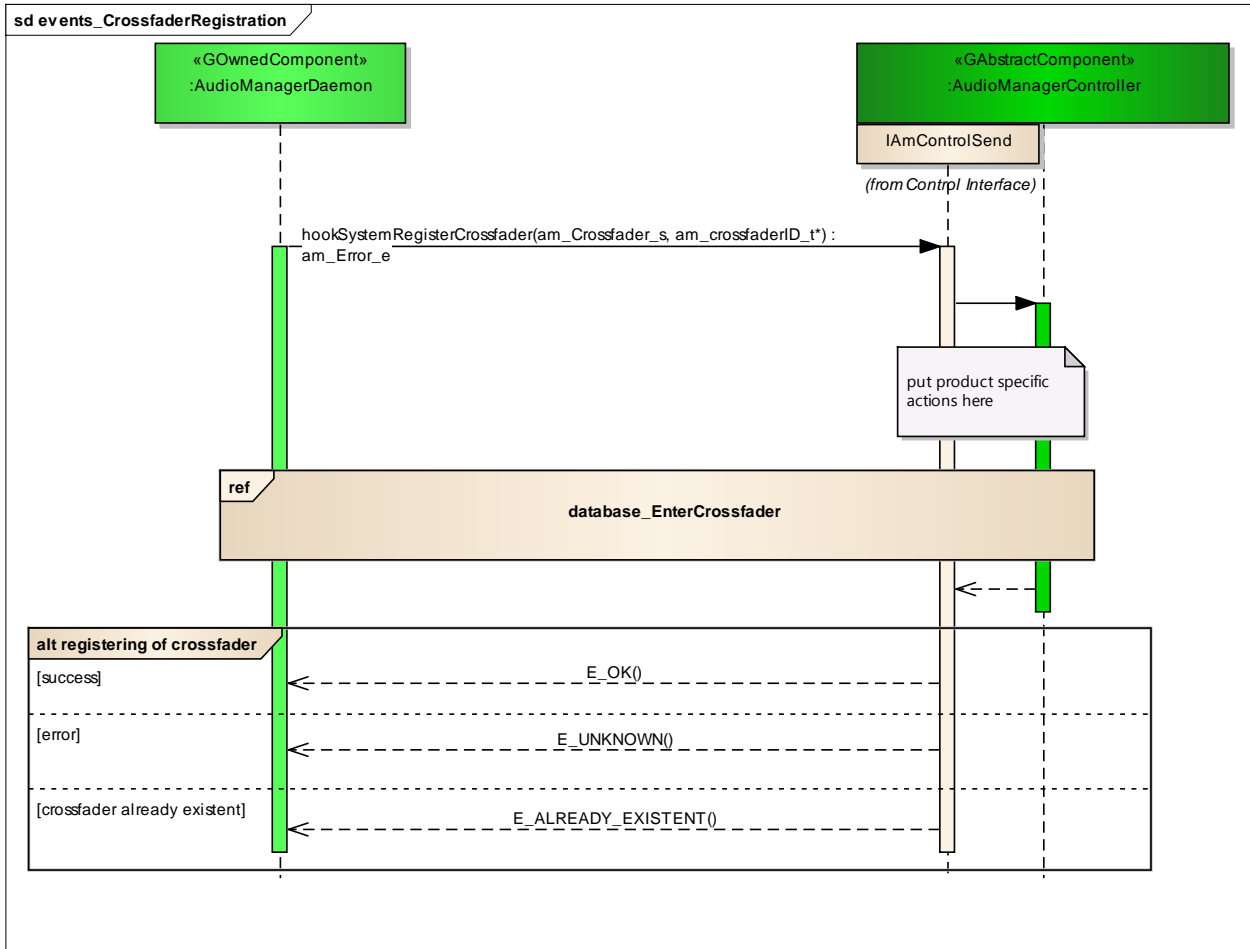
database_RemoveSource

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}
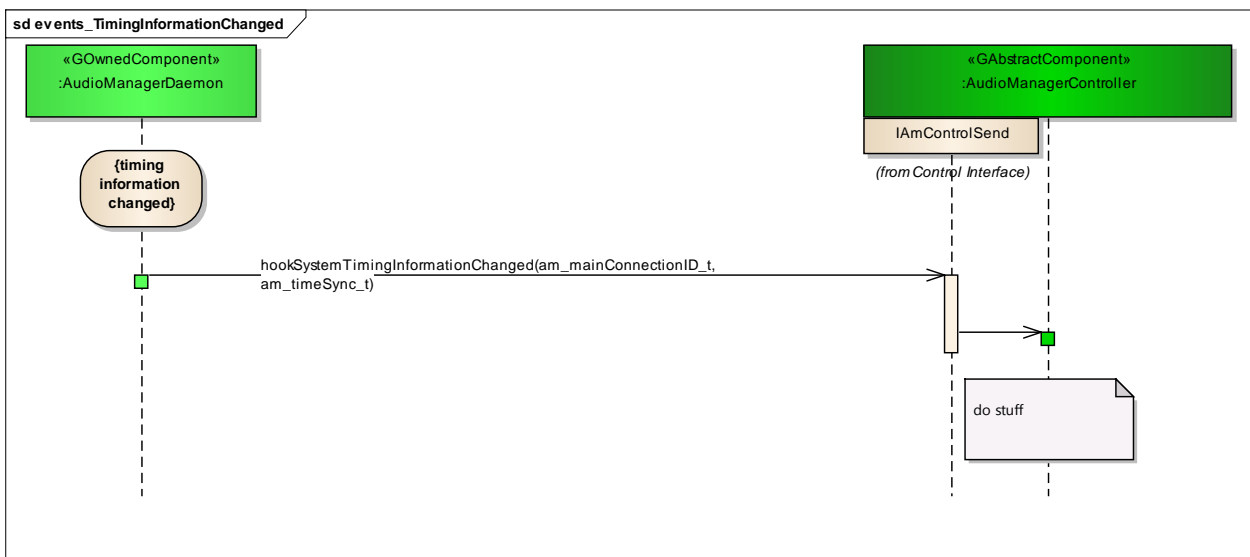
Figure: 106

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}
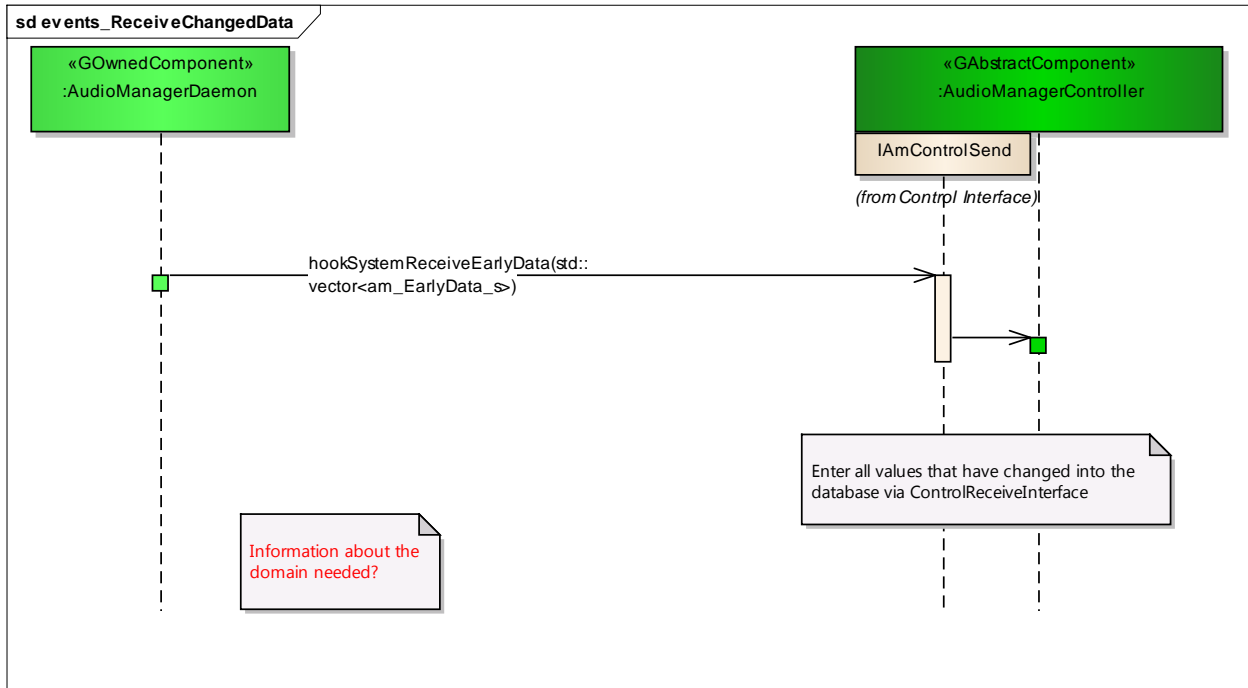
Figure: 107

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}
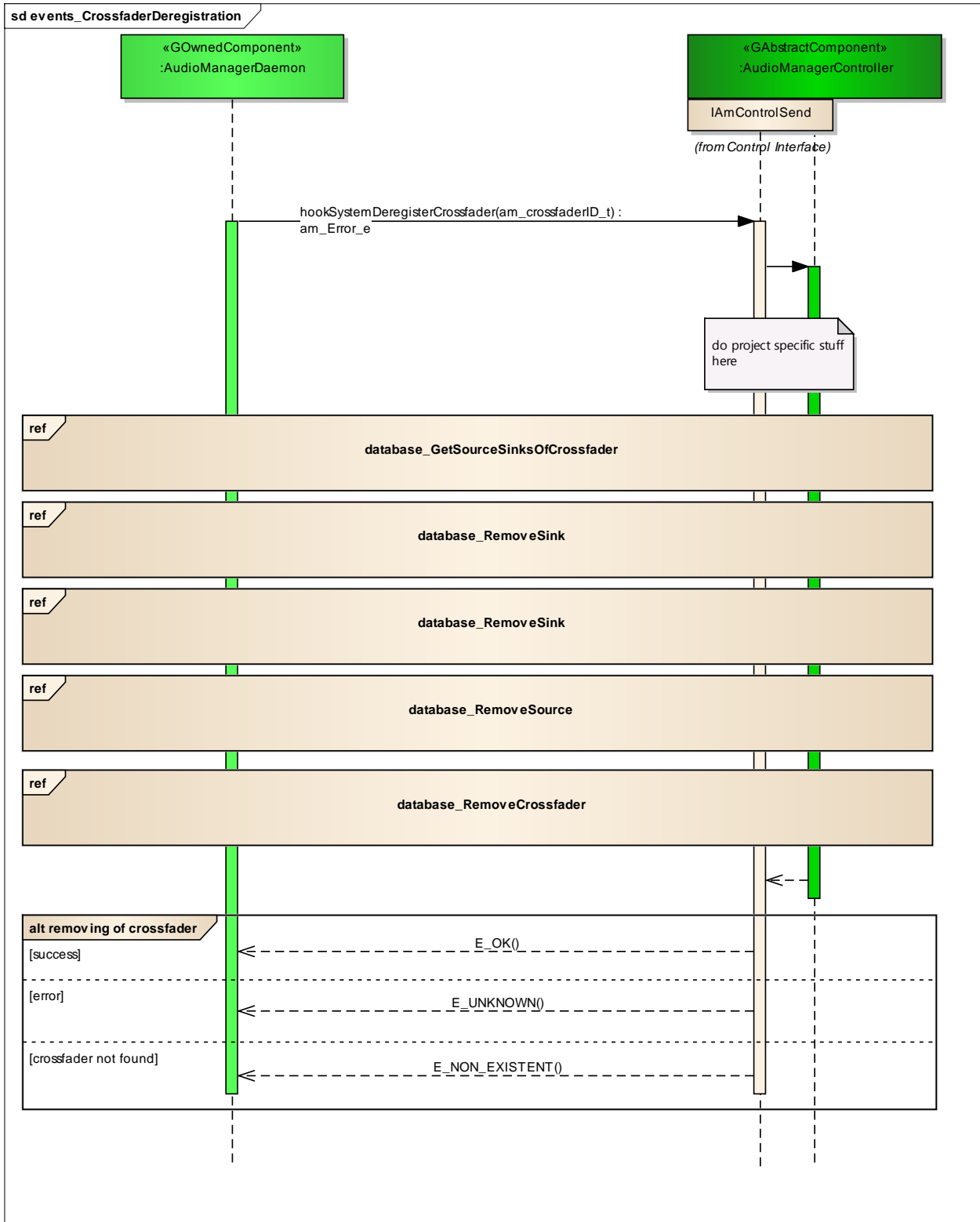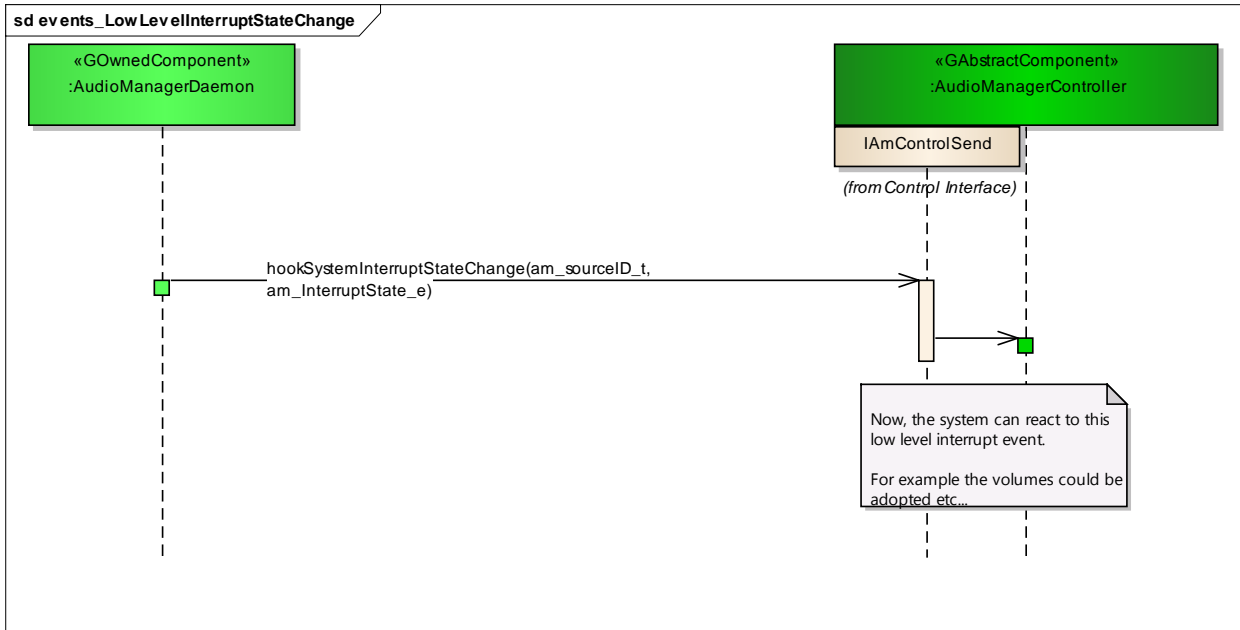

Figure: 108

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}
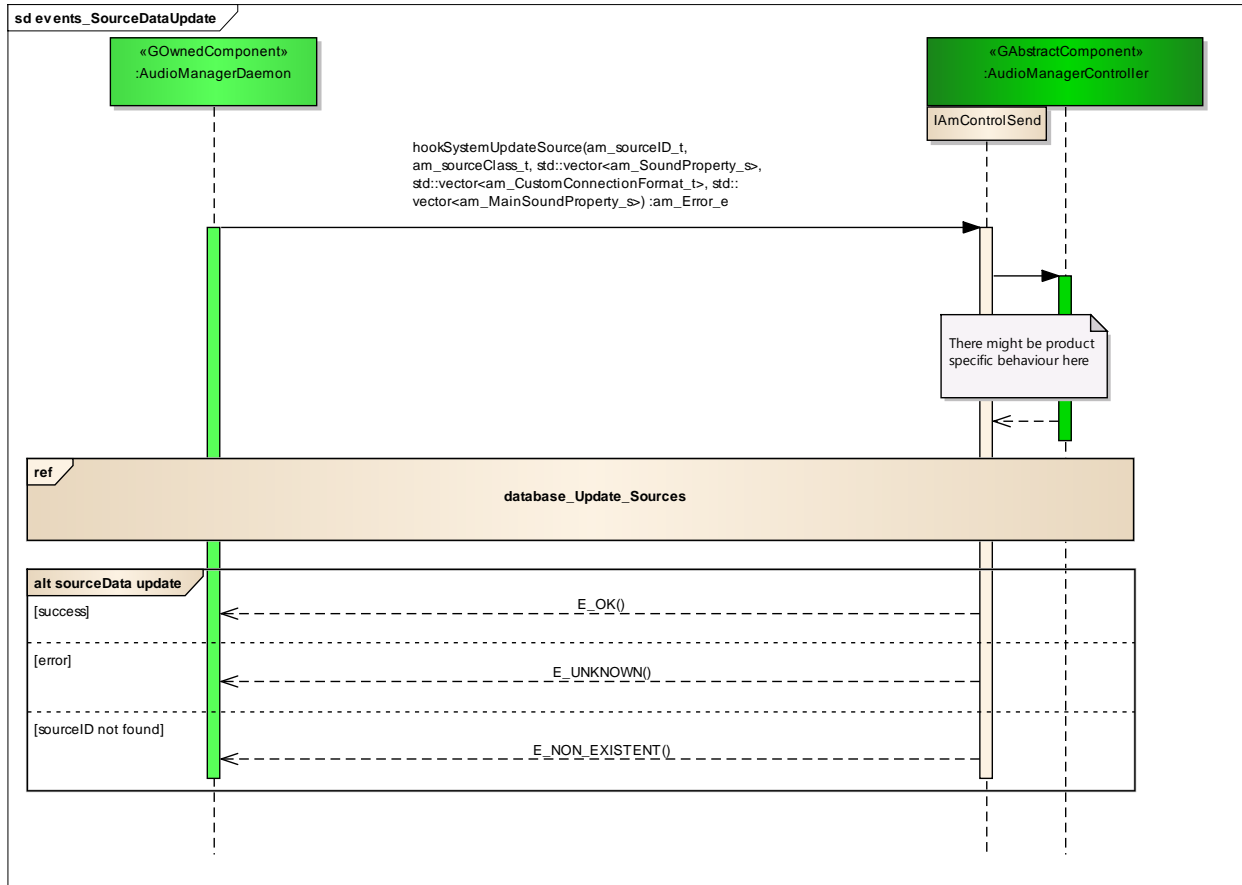
Figure: 109

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}
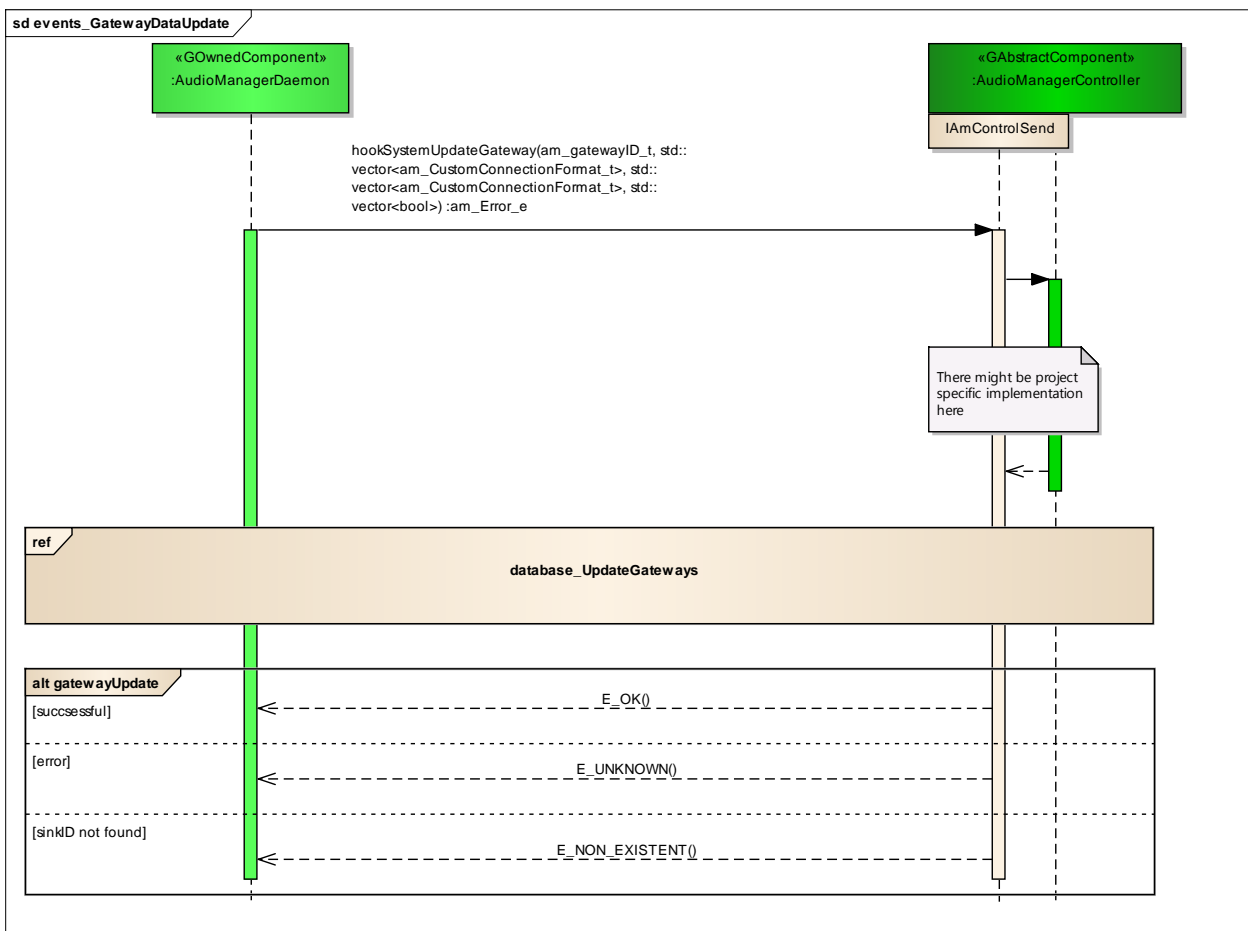
Figure: 110

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}
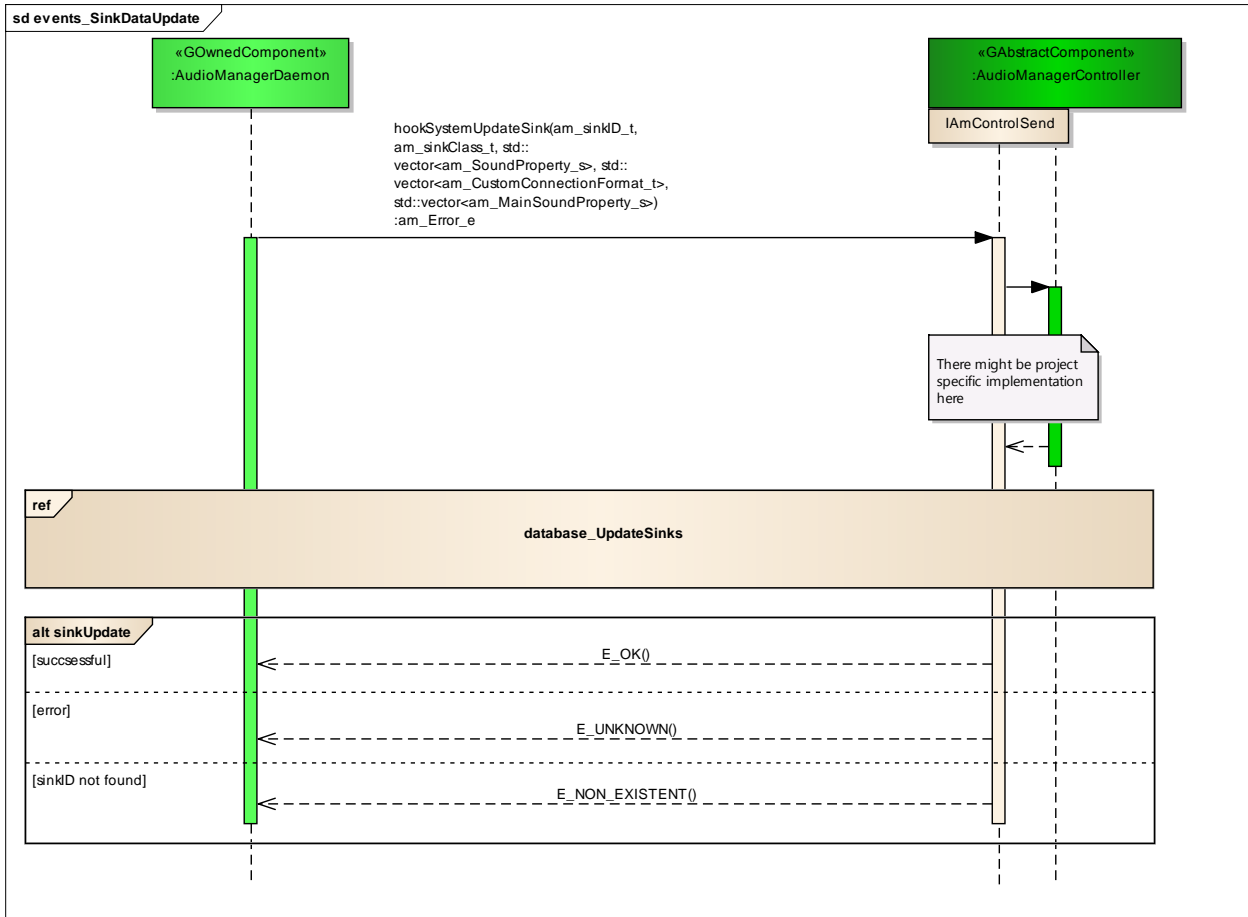
Figure: 111

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}
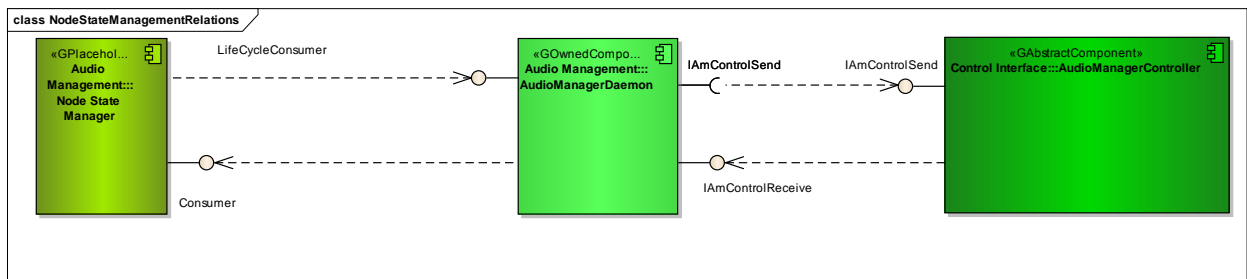
Figure: 112

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}
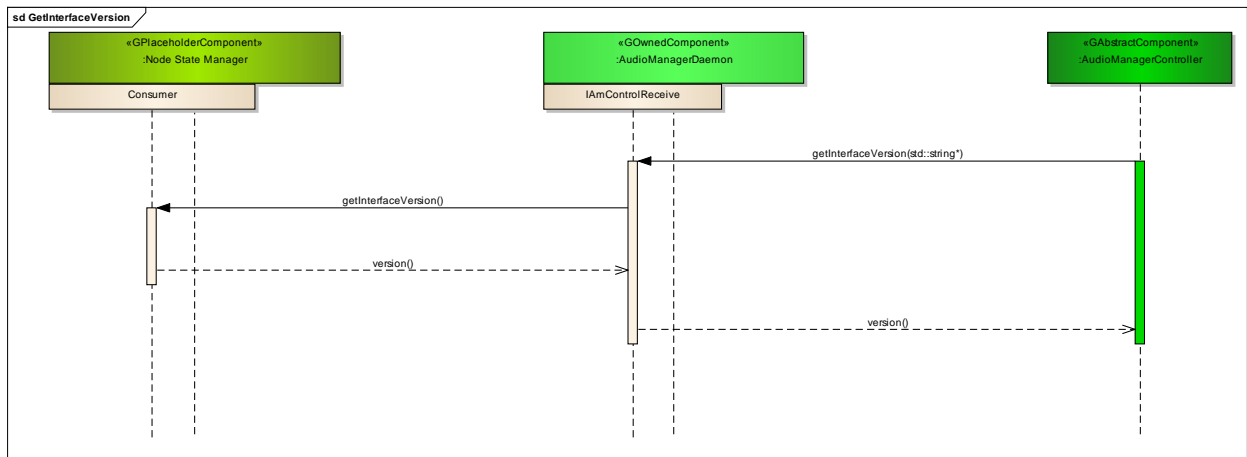
Figure: 113

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}
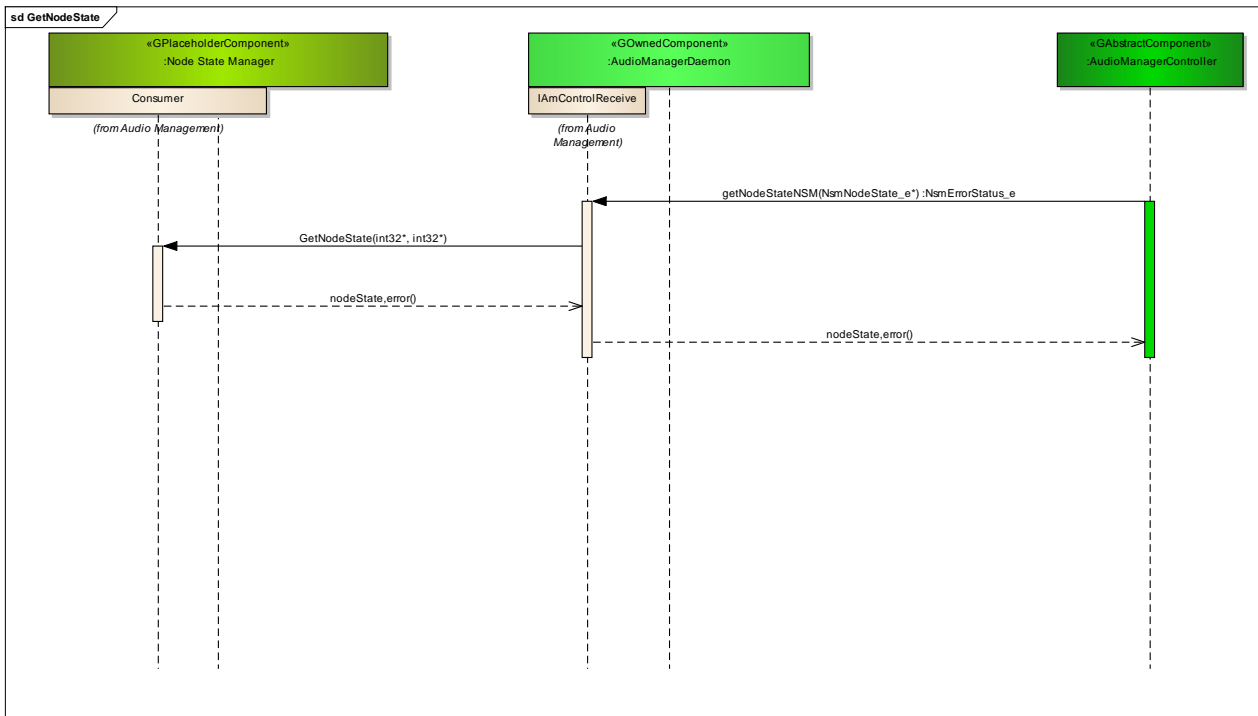
Figure: 114

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}
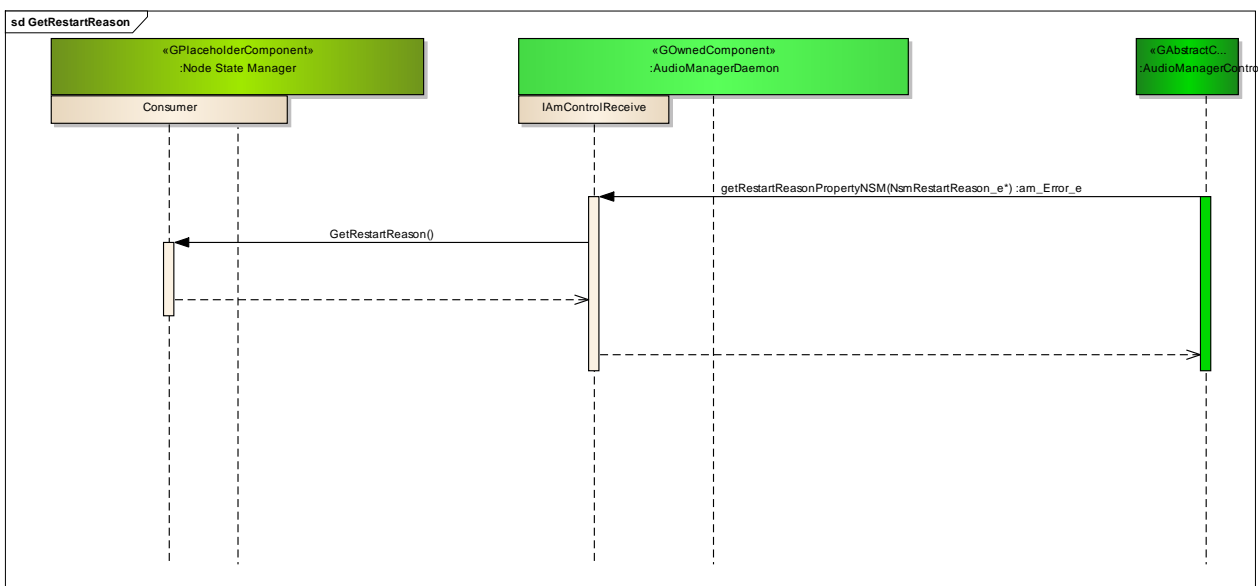
Figure: 115

GetRunningReson - *(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}
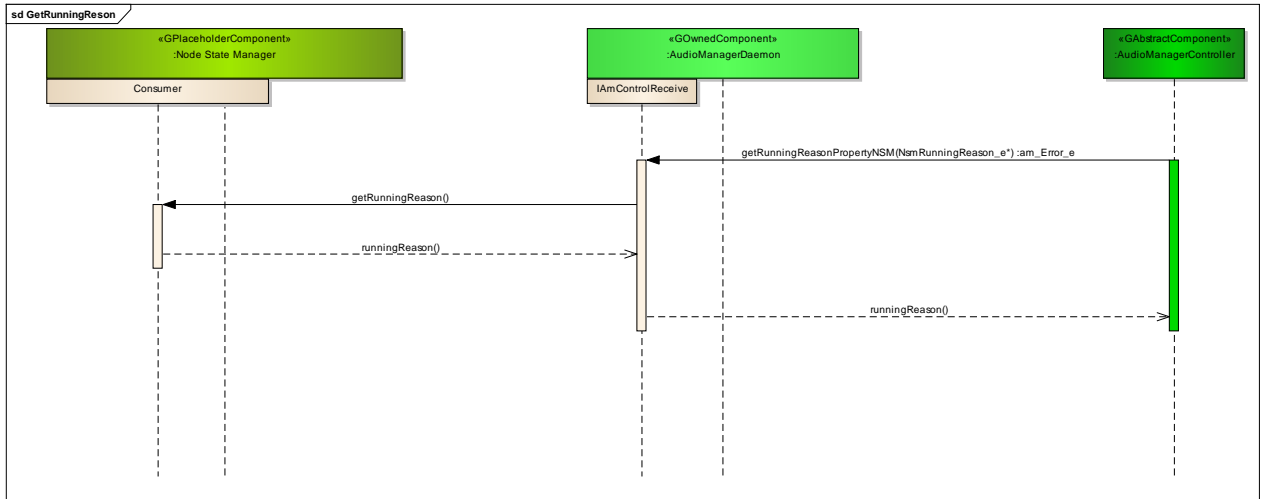
Figure: 116

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}
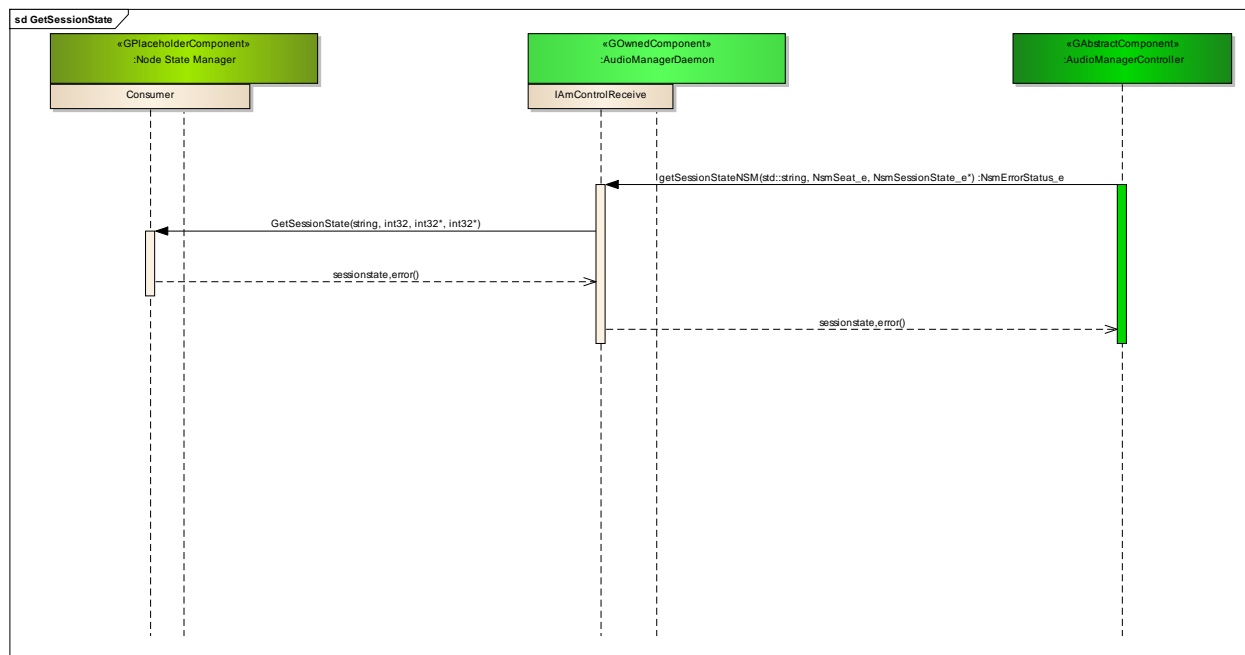
Figure: 117

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}
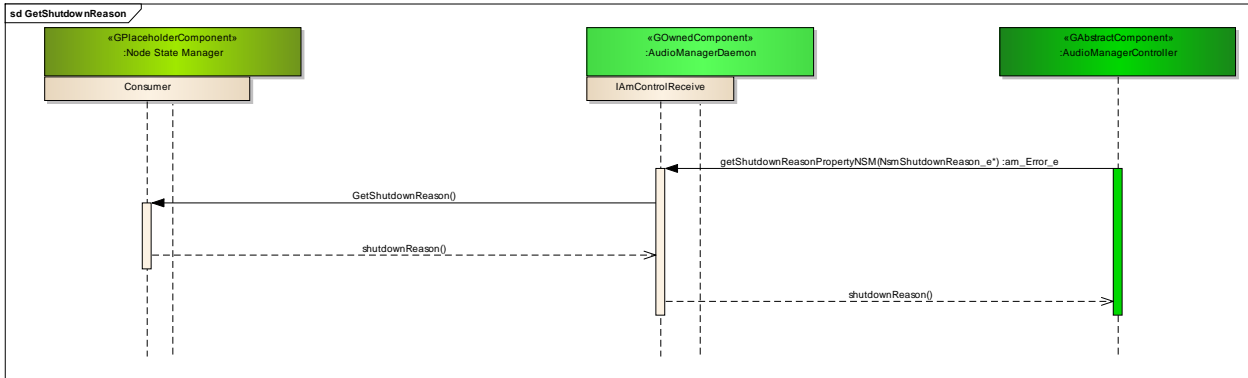
Figure: 118

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}
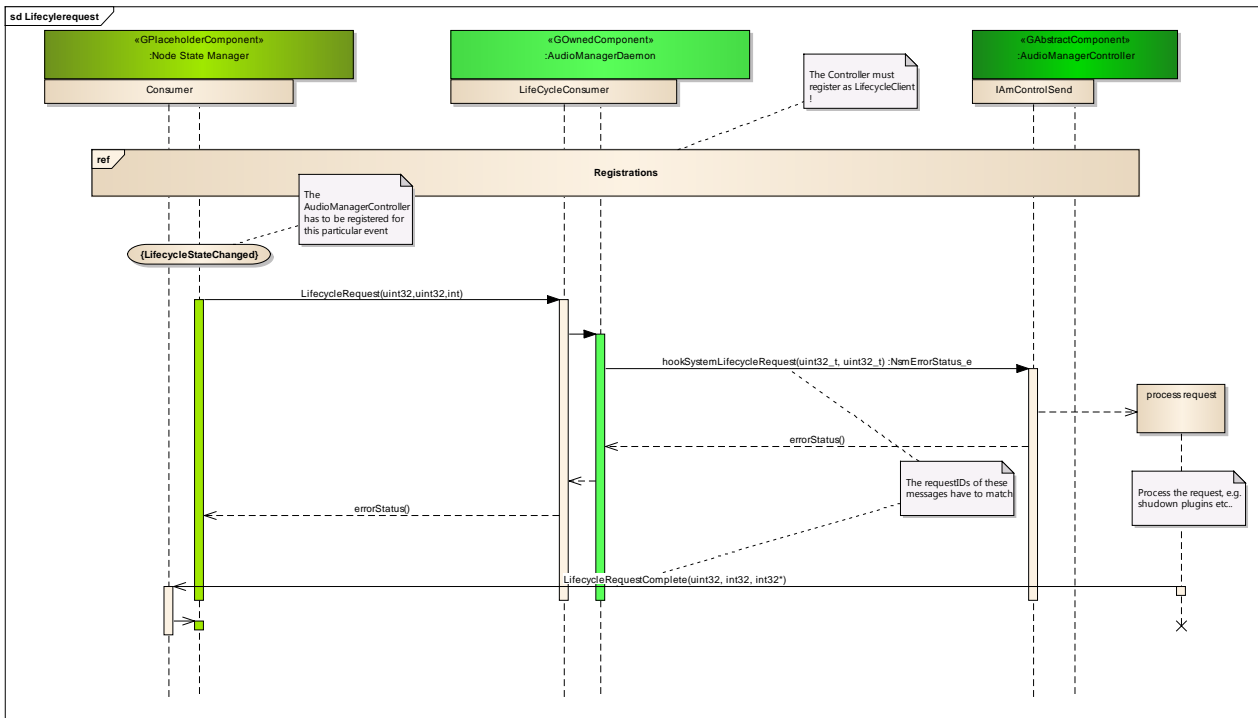
Figure: 119

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}
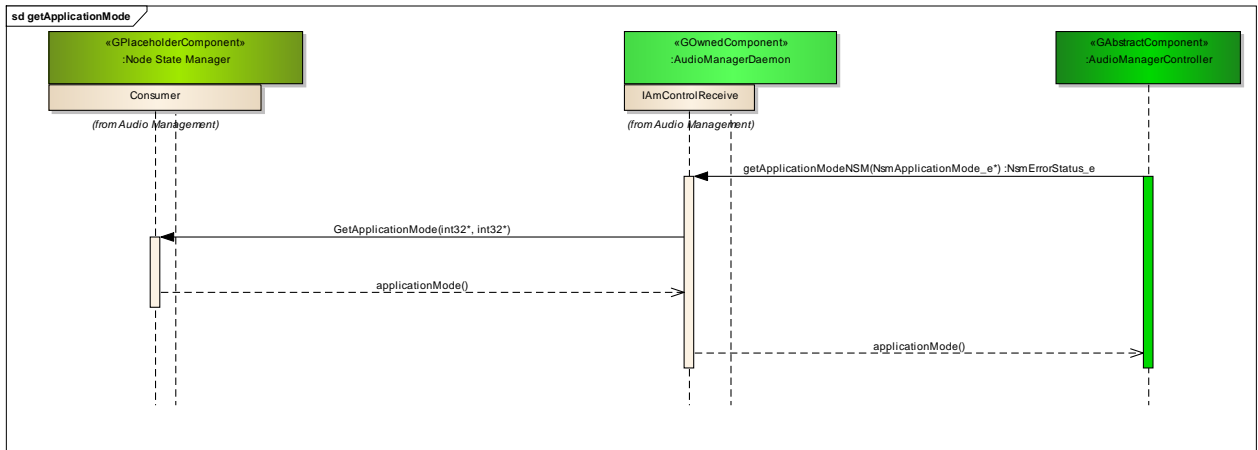
Figure: 120

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}
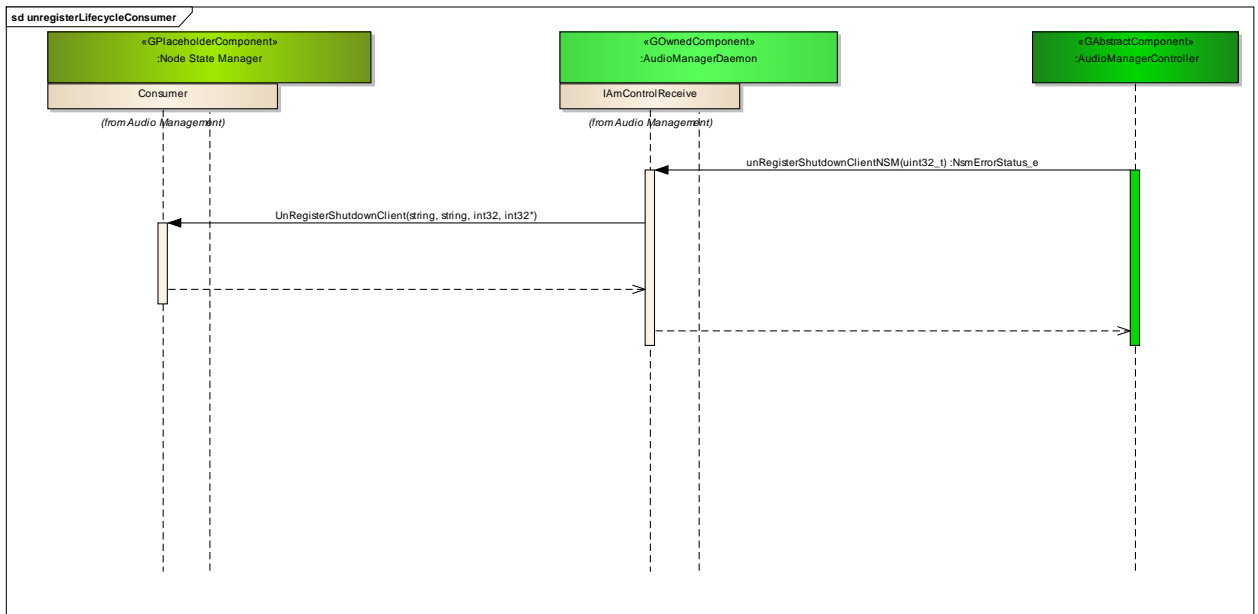
Figure: 121

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}
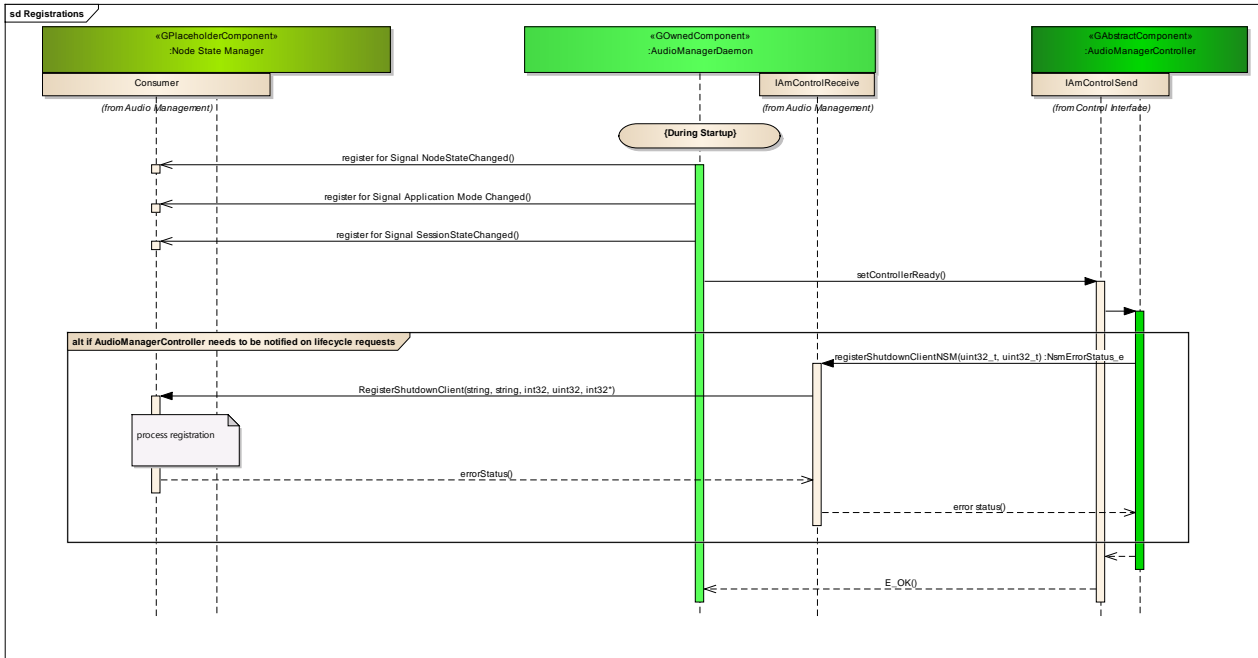
Figure: 122

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}
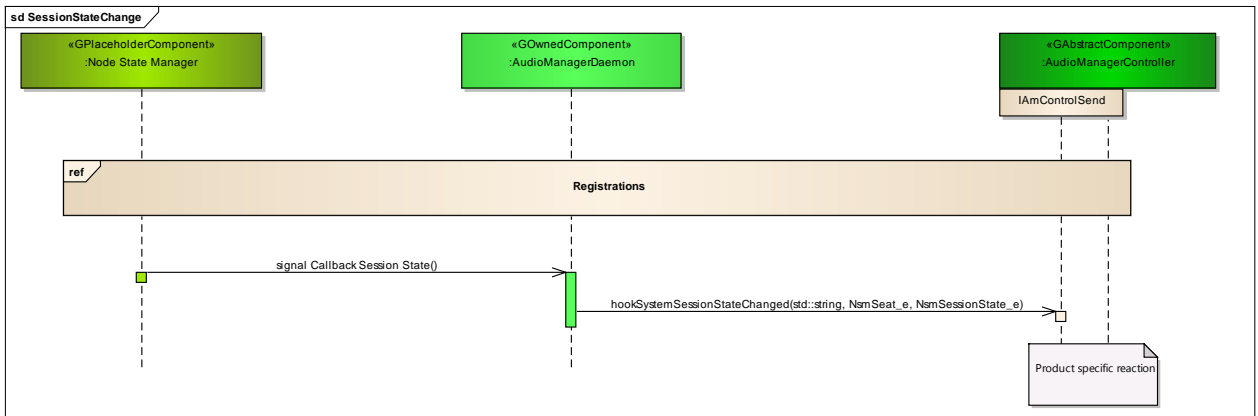
Figure: 123

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}
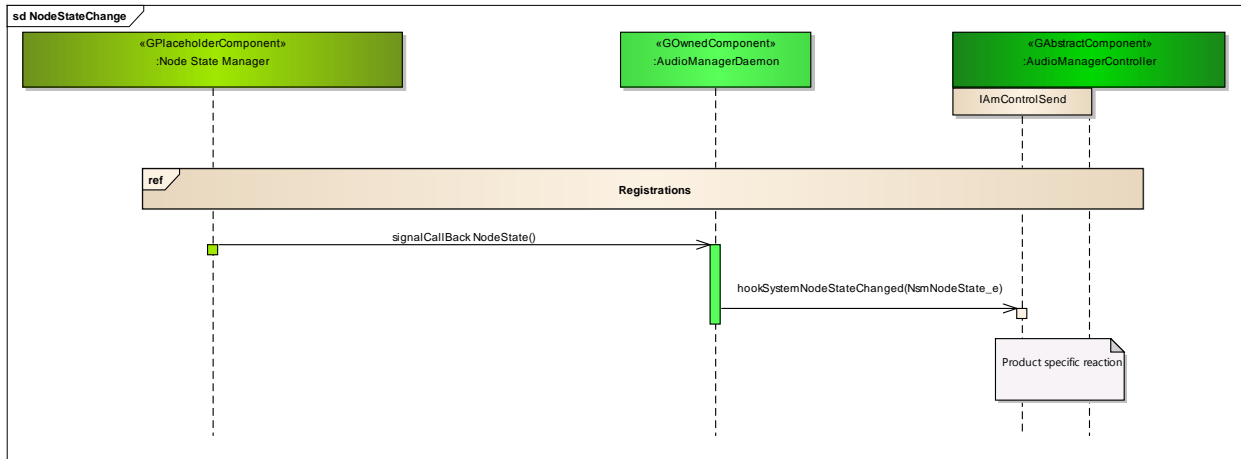
Figure: 124

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}
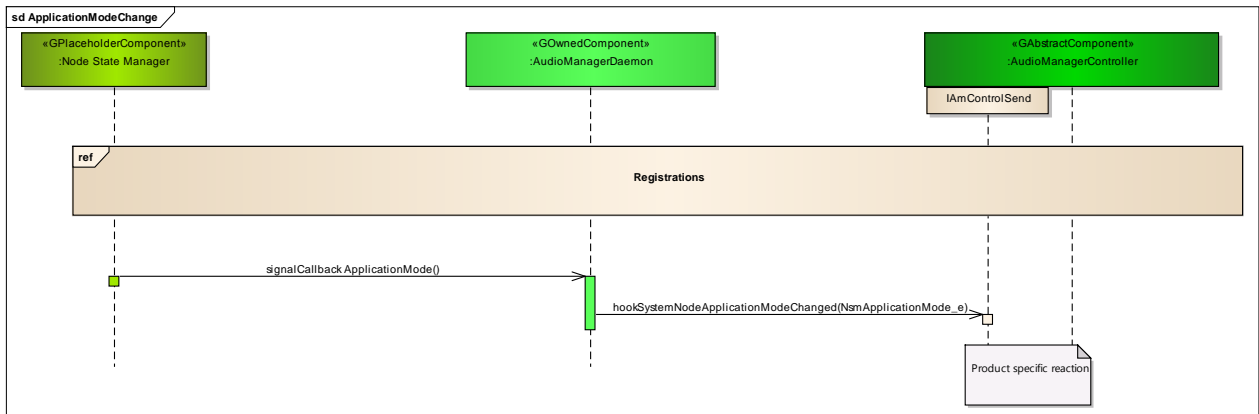
Figure: 125

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
NoteLink	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
Sequence Source -> Destination	Public IAmControlSend	Public process request	
Sequence LifecycleRequestComplet e(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 IAmControl

```
/**
 * 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_69597D9E_B0A3_4c6d_BBB6_E7F436B8B799__INCLUDED_)
#define EA_69597D9E_B0A3_4c6d_BBB6_E7F436B8B799__INCLUDED_


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


#include "NodeStateManager.h"


#include "audiomanagertypes.h"


#define ControlVersion "4.0"
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() {

        }

        /**
         * This function returns the version of the interface
         */
        virtual void getInterfaceVersion(std::string& version) const =0;
        /**
         * calculates a route from source to sink.
         * @return E_OK on success, E_UNKNOWN on error
         */
        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;
        /**
         * With this function, elementary connects can be triggered by the controller.
         * @return E_OK on success, E_UNKNOWN on error, E_WRONG_FORMAT of
         * connectionFormats do not match, E_NO_CHANGE if the desired connection is
         * already build up
         */
        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;
        /**
         * is used to disconnect a connection
```

```
        * @return E_OK on success, E_UNKNOWN on error, E_NON_EXISTENT if connection was

        * not found, E_NO_CHANGE if no change is neccessary

        */

    virtual am_Error_e disconnect(am_Handle_s& handle, const am_connectionID_t connectionID)
=0;

        /**

        * triggers a cross fade.

        * @return E_OK on success, E_UNKNOWN on error E_NO_CHANGE if no change is

        * neccessary

        */

    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;

        /**

        * with this method, all actions that have a handle assigned can be stopped.

        * @return E_OK on success, E_UNKNOWN on error

        */

    virtual am_Error_e abortAction(const am_Handle_s handle) =0;

        /**

        * this method sets a source state for a source. This function will trigger the

        * callback cbAckSetSourceState

        * @return E_OK on success, E_NO_CHANGE if the desired value is already correct,

        * E_UNKNOWN on error, E_NO_CHANGE if no change is neccessary

        */

    virtual am_Error_e setSourceState(am_Handle_s& handle, const am_sourceID_t sourceID,
const am_SourceState_e state) =0;

        /**

        * with this function, setting of sinks volumes is done. The behavior of the

        * volume set is depended on the given ramp and time information.

        * This function is not only used to ramp volume, but also to mute and direct set

        * the level. Exact behavior is depended on the selected mute ramps.

        * @return E_OK on success, E_NO_CHANGE if the volume is already on the desired

        * value, E_OUT_OF_RANGE is the volume is out of range, E_UNKNOWN on every other

        * error.

        */

    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;

        /**

        * with this function, setting of source volumes is done. The behavior of the

        * volume set is depended on the given ramp and time information.

        * This function is not only used to ramp volume, but also to mute and direct set

        * the level. Exact behavior is depended on the selected mute ramps.

        * @return E_OK on success, E_NO_CHANGE if the volume is already on the desired

        * value, E_OUT_OF_RANGE is the volume is out of range, E_UNKNOWN on every other

        * error.

        */
```

```
        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;
        /**
         * is used to set several sinkSoundProperties at a time
         * @return E_OK on success, E_UNKNOWN on error, E_OUT_OF_RANGE  if property is out
         * of range, E_NO_CHANGE if no change is neccessary
         */
        virtual am_Error_e setSinkSoundProperties(am_Handle_s& handle, const am_sinkID_t sinkID,
const std::vector<am_SoundProperty_s>& soundProperty) =0;
        /**
         * is used to set sinkSoundProperties
         * @return E_OK on success, E_UNKNOWN on error, E_OUT_OF_RANGE  if property is out
         * of range, E_NO_CHANGE if no change is neccessary
         */
        virtual am_Error_e setSinkSoundProperty(am_Handle_s& handle, const am_sinkID_t sinkID,
const am_SoundProperty_s& soundProperty) =0;
        /**
         * is used to set several SourceSoundProperties at a time
         * @return E_OK on success, E_UNKNOWN on error, E_OUT_OF_RANGE  if property is out
         * of range. E_NO_CHANGE if no change is neccessary
         */
        virtual am_Error_e setSourceSoundProperties(am_Handle_s& handle, const am_sourceID_t
sourceID, const std::vector<am_SoundProperty_s>& soundProperty) =0;
        /**
         * is used to set sourceSoundProperties
         * @return E_OK on success, E_UNKNOWN on error, E_OUT_OF_RANGE  if property is out
         * of range. E_NO_CHANGE if no change is neccessary
         */
        virtual am_Error_e setSourceSoundProperty(am_Handle_s& handle, const am_sourceID_t
sourceID, const am_SoundProperty_s& soundProperty) =0;
        /**
         * sets the domain state of a domain
         * @return E_OK on success, E_UNKNOWN on error, E_NO_CHANGE if no change is
         * neccessary
         */
        virtual am_Error_e setDomainState(const am_domainID_t domainID, const am_DomainState_e
domainState) =0;
        /**
         * enters a domain in the database, creates and ID
         * @return E_OK on success, E_ALREADY_EXISTENT if the ID or name is already in the
         * database, E_DATABASE_ERROR if the database had an error
         */
        virtual am_Error_e enterDomainDB(const am_Domain_s& domainData, am_domainID_t& domainID)
=0;
        /**
         * enters a mainconnection in the database, creates and ID
         * @return E_OK on success, E_DATABASE_ERROR if the database had an error
```

```
 */
virtual am_Error_e enterMainConnectionDB(const am_MainConnection_s& mainConnectionData,
am_mainConnectionID_t& connectionID) =0;
/**
 * enters a sink in the database.
 * The sinkID in am_Sink_s shall be 0 in case of a dynamic added source A sinkID
 * greater than 100 will be assigned. If a specific sinkID with a value <100 is
 * given, the given value will be used. This is for a static setup where the ID's
 * are predefined.
 * @return E_OK on success, E_ALREADY_EXISTENT if the ID or name is already in the
 * database, E_DATABASE_ERROR if the database had an error
 */
virtual am_Error_e enterSinkDB(const am_Sink_s& sinkData, am_sinkID_t& sinkID) =0;
/**
 * enters a crossfader in the database.
 * The crossfaderID in am_Crossfader_s shall be 0 in case of a dynamic added
 * source A crossfaderID greater than 100 will be assigned. If a specific
 * crossfaderID with a value <100 is given, the given value will be used. This is
 * for a static setup where the ID's are predefined.
 * @return E_OK on success, E_ALREADY_EXISTENT if the ID or name is already in the
 * database, E_DATABASE_ERROR if the database had an error
 */
virtual am_Error_e enterCrossfaderDB(const am_Crossfader_s& crossfaderData,
am_crossfaderID_t& crossfaderID) =0;
/**
 * enters a gateway in the database.
 * The gatewayID in am_Gateway_s shall be 0 in case of a dynamic added source A
 * gatewayID greater than 100 will be assigned. If a specific gatewayID with a
 * value <100 is given, the given value will be used. This is for a static setup
 * where the ID's are predefined.
 * @return E_OK on success, E_ALREADY_EXISTENT if the ID or name is already in the
 * database, E_DATABASE_ERROR if the database had an error
 */
virtual am_Error_e enterGatewayDB(const am_Gateway_s& gatewayData, am_gatewayID_t&
gatewayID) =0;
/**
 * enters a converter in the database.
 * The converterID in am_Converter_s shall be 0 in case of a dynamic added source
 * A converterID greater than 100 will be assigned. If a specific gatewayID with a
 * value <100 is given, the given value will be used. This is for a static setup
 * where the ID's are predefined.
 * @return E_OK on success, E_ALREADY_EXISTENT if the ID or name is already in the
 * database, E_DATABASE_ERROR if the database had an error
 */
virtual am_Error_e enterConverterDB(const am_Converter_s& converterData,
am_converterID_t& converterID) =0;
```

```
/**
 * enters a source in the database.
 * The sourceID in am_Source_s shall be 0 in case of a dynamic added source A
 * sourceID greater than 100 will be assigned. If a specific sourceID with a value
 * <100 is given, the given value will be used. This is for a static setup where
 * the ID's are predefined.
 * @return E_OK on success, E_ALREADY_EXISTENT if the ID or name is already in the
 * database, E_DATABASE_ERROR if the database had an error
 */
virtual am_Error_e enterSourceDB(const am_Source_s& sourceData, am_sourceID_t& sourceID)
=0;
/**
 * Enters a sourceClass into the database.
 * @return E_OK on success, E_ALREADY_EXISTENT if the ID or name is already in the
 * database, E_DATABASE_ERROR if the database had an error
 */
virtual am_Error_e enterSinkClassDB(const am_SinkClass_s& sinkClass, am_sinkClass_t&
sinkClassID) =0;
/**
 * Enters a sourceClass into the database.
 * The sourceClassID in am_sourceClass_s shall be 0 in case of a dynamic added
 * source A sourceClassID greater than 100 will be assigned. If a specific
 * sourceClassID with a value <100 is given, the given value will be used. This is
 * for a static setup where the ID's are predefined.
 * @return E_OK on success, E_ALREADY_EXISTENT if the ID or name is already in the
 * database, E_DATABASE_ERROR if the database had an error
 */
virtual am_Error_e enterSourceClassDB(am_sourceClass_t& sourceClassID, const
am_SourceClass_s& sourceClass) =0;
/**
 * changes class information of a sinkclass.
 * The properties will overwrite the values of the sinkClassID given in the
 * sinkClass.
 * It is the duty of the controller to check if the property is valid. If it does
 * not exist, the daemon will not return an error.
 * @return E_OK on success, E_DATABASE_ERROR on error, E_NON_EXISTENT if
 * sinkClassID was not found.
 */
virtual am_Error_e changeSinkClassInfoDB(const am_SinkClass_s& sinkClass) =0;
/**
 * changes class information of a sourceClass.
 * The properties will overwrite the values of the sourceClassID given in the
 * sourceClass.
 * It is the duty of the controller to check if the property is valid. If it does
 * not exist, the daemon will not return an error.
```

```
    * @return E_OK on success, E_DATABASE_ERROR on error and E_NON_EXISTENT if the

    * ClassID does not exist.

    */

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

   /**

    * This function is used to enter the system Properties into the database.

    * All entries in the database will be erased before entering the new List. It

    * should only be called once at system startup.

    * @return E_OK on success,  E_DATABASE_ERROR if the database had an error

    */

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

   /**

    * changes the mainConnectionState of MainConnection

    * @return E_OK on success, E_DATABASE_ERROR on error, E_NON_EXISTENT if

    * mainconnection

    */

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

   /**

    * changes the mainConnectionState of MainConnection

    * @return E_OK on success, E_DATABASE_ERROR on error, E_NON_EXISTENT if

    * mainconnection

    */

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

   /**

    * changes the sink volume of a sink

    * @return E_OK on success, E_DATABASE_ERROR on error, E_NON_EXISTENT if sink was

    * not found

    */

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

   /**

    * changes the availablility of a sink

    * @return E_OK on success, E_DATABASE_ERROR on error, E_NON_EXISTENT if sink was

    * not found

    */

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

   /**

    * changes the domainstate of a domain

    * @return E_OK on success, E_DATABASE_ERROR on error, E_NON_EXISTENT if domain

    * was not found

    */

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

```
      /**
       * changes the mute state of a sink
       * @return E_OK on success, E_DATABASE_ERROR on error, E_NON_EXISTENT if sink was
       * not found
       */
      virtual am_Error_e changeSinkMuteStateDB(const am_MuteState_e muteState, const
am_sinkID_t sinkID) =0;
      /**
       * changes the mainsinksoundproperty of a sink
       * @return E_OK on success, E_DATABASE_ERROR on error, E_NON_EXISTENT if sink was
       * not found
       */
      virtual am_Error_e changeMainSinkSoundPropertyDB(const am_MainSoundProperty_s&
soundProperty, const am_sinkID_t sinkID) =0;
      /**
       * changes the mainsourcesoundproperty of a sink
       * @return E_OK on success, E_DATABASE_ERROR on error, E_NON_EXISTENT if source
       * was not found
       */
      virtual am_Error_e changeMainSourceSoundPropertyDB(const am_MainSoundProperty_s&
soundProperty, const am_sourceID_t sourceID) =0;
      /**
       * changes the availablility of a source
       * @return E_OK on success, E_DATABASE_ERROR  on error, E_NON_EXISTENT if source
       * was not found
       */
      virtual am_Error_e changeSourceAvailabilityDB(const am_Availability_s& availability,
const am_sourceID_t sourceID) =0;
      /**
       * changes a systemProperty
       * @return E_OK on success, E_DATABASE_ERROR on error, E_NON_EXISTENT if property
       * was not found
       */
      virtual am_Error_e changeSystemPropertyDB(const am_SystemProperty_s& property) =0;
      /**
       * removes a mainconnection from the DB
       * @return E_OK on success, E_NON_EXISTENT if main connection was not found,
       * E_DATABASE_ERROR if the database had an error
       */
      virtual am_Error_e removeMainConnectionDB(const am_mainConnectionID_t mainConnectionID)
=0;
      /**
       * removes a sink from the DB
       * @return E_OK on success, E_NON_EXISTENT if sink was not found, E_DATABASE_ERROR
       * if the database had an error
       */
```

```
        virtual am_Error_e removeSinkDB(const am_sinkID_t sinkID) =0;
        /**
         * removes a source from the DB
         * @return E_OK on success, E_NON_EXISTENT if source was not found,
         * E_DATABASE_ERROR if the database had an error
         */
        virtual am_Error_e removeSourceDB(const am_sourceID_t sourceID) =0;
        /**
         * removes a gateway from the DB
         * @return E_OK on success, E_NON_EXISTENT if gateway was not found,
         * E_DATABASE_ERROR if the database had an error
         */
        virtual am_Error_e removeGatewayDB(const am_gatewayID_t gatewayID) =0;
        /**
         * removes a converter from the DB
         * @return E_OK on success, E_NON_EXISTENT if gateway was not found,
         * E_DATABASE_ERROR if the database had an error
         */
        virtual am_Error_e removeConverterDB(const am_converterID_t converterID) =0;
        /**
         * removes a crossfader from the DB
         * @return E_OK on success, E_NON_EXISTENT if crossfader was not found,
         * E_DATABASE_ERROR if the database had an error
         */
        virtual am_Error_e removeCrossfaderDB(const am_crossfaderID_t crossfaderID) =0;
        /**
         * removes a domain from the DB
         * @return E_OK on success, E_NON_EXISTENT if domain was not found,
         * E_DATABASE_ERROR if the database had an error
         */
        virtual am_Error_e removeDomainDB(const am_domainID_t domainID) =0;
        /**
         * removes a domain from the DB
         * @return E_OK on success, E_NON_EXISTENT if domain was not found,
         * E_DATABASE_ERROR if the database had an error
         */
        virtual am_Error_e removeSinkClassDB(const am_sinkClass_t sinkClassID) =0;
        /**
         * removes a domain from the DB
         * @return E_OK on success, E_NON_EXISTENT if domain was not found,
         * E_DATABASE_ERROR if the database had an error
         */
        virtual am_Error_e removeSourceClassDB(const am_sourceClass_t sourceClassID) =0;
        /**
```

```
     * returns the ClassInformation of a source

     * @return E_OK on success, E_DATABASE_ERROR on error, E_NON_EXISTENT if source

     * was not found

     */

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

    /**

     * returns the ClassInformation of a sink

     * @return E_OK on success, E_DATABASE_ERROR on error, E_NON_EXISTENT if sink was

     * not found

     */

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

    /**

     * returns the sinkData of a sink

     * @return E_OK on success, E_DATABASE_ERROR on error, E_NON_EXISTENT if sink was

     * not found

     */

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

    /**

     * returns the sourcekData of a source

     * @return E_OK on success, E_DATABASE_ERROR on error, E_NON_EXISTENT if sink was

     * not found

     */

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

    /**

     * return source and sink of a converter

     * @return E_OK on success, E_DATABASE_ERROR on error, E_NON_EXISTENT if gateway

     * was not found

     */

    virtual am_Error_e getConverterInfoDB(const am_converterID_t converterID, am_Converter_s&
converterData) const =0;

    /**

     * return source and sink of a gateway

     * @return E_OK on success, E_DATABASE_ERROR on error, E_NON_EXISTENT if gateway

     * was not found

     */

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

    /**

     * returns sources and the sink of a crossfader

     * @return E_OK on success, E_DATABASE_ERROR on error, E_NON_EXISTENT if

     * crossfader was not found

     */
```

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

        /**

         * returns sources and the sink of a crossfader

         * @return E_OK on success, E_DATABASE_ERROR on error, E_NON_EXISTENT if

         * crossfader was not found

         */

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

        /**

         * returns all sinks of a domain

         * @return E_OK on success, E_DATABASE_ERROR on error, E_NON_EXISTENT if domain

         * was not found

         */

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

        /**

         * returns all source of a domain

         * @return E_OK on success, E_DATABASE_ERROR on error, E_NON_EXISTENT if domain

         * was not found

         */

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

        /**

         * returns all crossfaders of a domain

         * @return E_OK on success, E_DATABASE_ERROR on error, E_NON_EXISTENT if domain

         * was not found

         */

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

        /**

         * returns all converters of a domain

         * @return E_OK on success, E_DATABASE_ERROR on error, E_NON_EXISTENT if domain

         * was not found

         */

        virtual am_Error_e getListConvertersOfDomain(const am_domainID_t domainID,
std::vector<am_converterID_t>& listConverterID) const =0;

        /**

         * returns all gateways of a domain

         * @return E_OK on success, E_DATABASE_ERROR on error, E_NON_EXISTENT if domain

         * was not found

         */

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

        /**

         * returns a complete list of all MainConnections

         * @return E_OK on success, E_DATABASE_ERROR on error
```

```
        */

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

        /**

         * returns a complete list of all domains

         * @return E_OK on success, E_DATABASE_ERROR on error

         */

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

        /**

         * returns a complete list of all Connections

         * @return E_OK on success, E_DATABASE_ERROR on error

         */

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

        /**

         * returns a list of all sinks

         * @return E_OK on success, E_DATABASE_ERROR on error

         */

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

        /**

         * returns a list of all sources

         * @return E_OK on success, E_DATABASE_ERROR on error

         */

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

        /**

         * returns a list of all source classes

         * @return E_OK on success, E_DATABASE_ERROR on error

         */

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

        /**

         * returns a list of all handles

         * @return E_OK on success, E_DATABASE_ERROR on error

         */

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

        /**

         * returns a list of all crossfaders

         * @return E_OK on success, E_DATABASE_ERROR on error

         */

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

        /**

         * returns a list of  converters

         * @return E_OK on success, E_DATABASE_ERROR on error

         */
```

```
        virtual am_Error_e getListConverters(std::vector<am_Converter_s>& listConverters) const
=0;
        /**
         * returns a list of  gateways
         * @return E_OK on success, E_DATABASE_ERROR on error
         */
        virtual am_Error_e getListGateways(std::vector<am_Gateway_s>& listGateways) const =0;
        /**
         * returns a list of all sink classes
         * @return E_OK on success, E_DATABASE_ERROR on error
         */
        virtual am_Error_e getListSinkClasses(std::vector<am_SinkClass_s>& listSinkClasses) const
=0;
        /**
         * returns the list of SystemProperties
         */
        virtual am_Error_e getListSystemProperties(std::vector<am_SystemProperty_s>&
listSystemProperties) const =0;
        /**
         * sets the command interface to ready. Will send setCommandReady to each of the
         * plugins. The corresponding answer is confirmCommandReady.
         */
        virtual void setCommandReady() =0;
        /**
         * sets the command interface into the rundown state. Will send setCommandRundown
         * to each of the plugins. The corresponding answer is confirmCommandRundown.
         */
        virtual void setCommandRundown() =0;
        /**
         * sets the routinginterface to  ready. Will send the command  setRoutingReady to
         * each of the plugins. The related answer is confirmRoutingReady.
         */
        virtual void setRoutingReady() =0;
        /**
         * sets the routinginterface to the rundown state. Will send the command
         * setRoutingRundown to each of the plugins. The related answer is
         * confirmRoutingRundown.
         */
        virtual void setRoutingRundown() =0;
        /**
         * acknowledges the setControllerReady call.
         */
        virtual void confirmControllerReady(const am_Error_e error) =0;
        /**
         * Acknowledges the setControllerRundown call.
         */
```

```
       virtual void confirmControllerRundown(const am_Error_e error) =0;
       /**
        * This function returns the pointer to the socketHandler. This can be used to
        * integrate socket-based activites like communication with the mainloop of the
        * AudioManager.
        * returns E_OK if pointer is valid, E_UNKNOWN in case AudioManager was compiled
        * without socketHandler support,
        */
       virtual am_Error_e getSocketHandler(CAmSocketHandler*& socketHandler) =0;
       /**
        * Change the data of the source.
        */
       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;
       /**
        * Change the data of the sink.
        */
       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;
       /**
        * changes converter Data
        */
       virtual am_Error_e changeConverterDB(const am_converterID_t converterID, const
std::vector<am_CustomConnectionFormat_t>& listSourceConnectionFormats, const
std::vector<am_CustomConnectionFormat_t>& listSinkConnectionFormats, const std::vector<bool>&
convertionMatrix) =0;
       /**
        * changes Gateway Data
        */
       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>&
convertionMatrix) =0;
       /**
        * with this function, setting of multiple volumes at a time is done. The behavior
        * of the volume set is depended on the given ramp and time information.
        * This function is not only used to ramp volume, but also to mute and direct set
        * the level. Exact behavior is depended on the selected mute ramps.
        * @return E_OK on success, E_NO_CHANGE if the volume is already on the desired
        * value, E_OUT_OF_RANGE is the volume is out of range, E_UNKNOWN on every other
        * error.
        */
       virtual am_Error_e setVolumes(am_Handle_s& handle, const std::vector<am_Volumes_s>&
listVolumes) =0;
       /**
```

```
     * set a sink notification configuration

     */

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

     /**

     * set a source notification configuration

     */

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

     /**

     * Sends out the main notificiation of a sink

     * @return E_OK on success, E_UNKNOWN on error

     */

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

     /**

     * Sends out the main notificiation of a source

     * @return E_OK on success, E_UNKNOWN on error

     */

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

     /**

     * change the mainNotificationConfiguration of a sink

     * @return E_OK when successful, E_DATABASE on error

     */

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

     /**

     * change the mainNotificationConfiguration of a source

     * @return E_OK when successful, E_DATABASE on error

     */

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

     /**

     * Retrieves the Restart Reason Property

     * @return E_OK on success E_UNKNOWN if property could not be retrieved.

     */

     virtual am_Error_e getRestartReasonPropertyNSM(NsmRestartReason_e& restartReason) =0;

     /**

     * Retrieves the shutdown reason property

     * @return E_OK on success E_UNKNOWN if property could not be retrieved.

     */

     virtual am_Error_e getShutdownReasonPropertyNSM(NsmShutdownReason_e& ShutdownReason) =0;

     /**

     * Retrieves the running reason

     * @return E_OK on success E_UNKNOWN if property could not be retrieved.

     */
```

```
        virtual am_Error_e getRunningReasonPropertyNSM(NsmRunningReason_e& nsmRunningReason) =0;
        /**
         * @return NsmErrorStatus_Ok in case of success
         */
        virtual NsmErrorStatus_e getNodeStateNSM(NsmNodeState_e& nsmNodeState) =0;
        /**
         * Retrieves the current session state
         * @return NsmErrorStatus_Ok on success E_UNKNOWN if property could not be
         * retrieved.
         */
        virtual NsmErrorStatus_e getSessionStateNSM(const std::string& sessionName, const
NsmSeat_e seatID, NsmSessionState_e& sessionState) =0;
        /**
         * Retrieves the current applicationmode
         * @return NsmErrorStatus_Ok on success E_UNKNOWN if property could not be
         * retrieved.
         */
        virtual NsmErrorStatus_e getApplicationModeNSM(NsmApplicationMode_e& applicationMode) =0;
        /**
         * Registers the AudioManager as shutdown client
         * @return NsmErrorStatus_Ok on success
         * The interface for the client will be provided by the AudioManagerDeamon,
         * therefore is no need to mention it here.
         */
        virtual NsmErrorStatus_e registerShutdownClientNSM(const uint32_t shutdownMode, const
uint32_t timeoutMs) =0;
        /**
         * unregisters the AudioManager as shutdown client
         * @return NsmErrorStatus_Ok on success
         */
        virtual NsmErrorStatus_e unRegisterShutdownClientNSM(const uint32_t shutdownMode) =0;
        /**
         * @return E_OK on success, E_UNKOWN if interface could not be reached
         */
        virtual am_Error_e getInterfaceVersionNSM(uint32_t& version) =0;
        /**
         * Sends out the lifecyclerequest complete to the NSM
         * @return NsmErrorStatus_Ok in case of success
         */
        virtual NsmErrorStatus_e sendLifecycleRequestCompleteNSM(const uint32_t RequestId, const
NsmErrorStatus_e status) =0;
        /**
         * This function retrieves a list of all sink mainsoundproperties with its values
         * @return E_OK when successful, E_DATABASE on error
         */
```

```
        virtual am_Error_e getListMainSinkSoundProperties(const am_sinkID_t sinkID,
std::vector<am_MainSoundProperty_s>& listSoundproperties) const =0;

    /**

     * This function retrieves a list of all source mainsoundproperties with its

     * values

     * @return E_OK when successful, E_DATABASE on error

     */

        virtual am_Error_e getListMainSourceSoundProperties(const am_sourceID_t sourceID,
std::vector<am_MainSoundProperty_s>& listSoundproperties) const =0;

    /**

     * This function retrieves a list of all sink soundproperties with its values

     * @return E_OK when successful, E_DATABASE on error

     */

        virtual am_Error_e getListSinkSoundProperties(const am_sinkID_t sinkID,
std::vector<am_SoundProperty_s>& listSoundproperties) const =0;

    /**

     * This function retrieves a list of all sink soundproperties with its values

     * @return E_OK when successful, E_DATABASE on error

     */

        virtual am_Error_e getListSourceSoundProperties(const am_sourceID_t sourceID,
std::vector<am_SoundProperty_s>& listSoundproperties) const =0;

    /**

     * This function retrieves the value of a sink Mainsoundproperty.

     * @return E_OK when successful, E_DATABASE on error

     */

        virtual am_Error_e getMainSinkSoundPropertyValue(const am_sinkID_t sinkID, const
am_CustomMainSoundPropertyType_t propertyType, int16_t& value) const =0;

    /**

     * This function retrieves the value of a sink soundproperty.

     * @return E_OK when successful, E_DATABASE on error

     */

        virtual am_Error_e getSinkSoundPropertyValue(const am_sinkID_t sinkID, const
am_CustomSoundPropertyType_t propertyType, int16_t& value) const =0;

    /**

     * This function retrieves the value of a source Mainsoundproperty.

     * @return E_OK when successful, E_DATABASE on error

     */

        virtual am_Error_e getMainSourceSoundPropertyValue(const am_sourceID_t sourceID, const
am_CustomMainSoundPropertyType_t propertyType, int16_t& value) const =0;

    /**

     * This function retrieves the value of a source soundproperty.

     * @return E_OK when successful, E_DATABASE on error

     */

        virtual am_Error_e getSourceSoundPropertyValue(const am_sourceID_t sourceID, const
am_CustomSoundPropertyType_t propertyType, int16_t& value) const =0;


};
```

```
/**
 * 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() {

        }

        /**
         * This function returns the version of the interface
         * returns E_OK, E_UNKOWN if version is unknown.
         */
        virtual void getInterfaceVersion(std::string& version) const =0;
        /**
         * Starts up the controller.
         */
        virtual am_Error_e startupController(IAmControlReceive* controlreceiveinterface) =0;
        /**
         * this message is used tell the controller that it should get ready. This message
         * must be acknowledged via confirmControllerReady.
         */
        virtual void setControllerReady() =0;
        /**
```

```
     * This message tells the controller that he should prepare everything for the

     * power to be switched off. This message must be acknowledged via

     * confirmControllerRundown.

     * The method will give the signal as integer that was responsible for calling the

     * setControllerRundown.

     * This function is called from the signal handler, either direct (when the

     * program is killed) or from within the mainloop (if the program is terminated).

     */

    virtual void setControllerRundown(const int16_t signal) =0;

    /**

     * is called when a connection request comes in via the command interface

     * @return E_OK on success, E_NOT_POSSIBLE on error, E_ALREADY_EXISTENT if already

     * exists

     */

    virtual am_Error_e hookUserConnectionRequest(const am_sourceID_t sourceID, const
am_sinkID_t sinkID, am_mainConnectionID_t& mainConnectionID) =0;

    /**

     * is called when a disconnection request comes in via the command interface

     * @return E_OK on success, E_NOT_POSSIBLE on error, E_NON_EXISTENT if connection

     * does not exists

     */

    virtual am_Error_e hookUserDisconnectionRequest(const am_mainConnectionID_t connectionID)
=0;

    /**

     * sets a user MainSinkSoundProperty

     * @return E_OK on success, E_OUT_OF_RANGE if out of range, E_UNKNOWN on error

     */

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

    /**

     * sets a user MainSourceSoundProperty

     * @return E_OK on success, E_OUT_OF_RANGE if out of range, E_UNKNOWN on error

     */

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

    /**

     * sets a user SystemProperty

     * @return E_OK on success, E_OUT_OF_RANGE if out of range, E_UNKNOWN on error

     */

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

    /**

     * sets a user volume

     * @return E_OK on success, E_OUT_OF_RANGE if out of range, E_UNKNOWN on error

     */

    virtual am_Error_e hookUserVolumeChange(const am_sinkID_t SinkID, const am_mainVolume_t
newVolume) =0;
```

```
     /**
      * sets a user volume as increment
      * @return E_OK on success, E_OUT_OF_RANGE if out of range, E_UNKNOWN on error
      */
     virtual am_Error_e hookUserVolumeStep(const am_sinkID_t SinkID, const int16_t increment)
=0;
     /**
      * sets the mute state of a sink
      * @return E_OK on success, E_UNKNOWN on error
      */
     virtual am_Error_e hookUserSetSinkMuteState(const am_sinkID_t sinkID, const
am_MuteState_e muteState) =0;
     /**
      * is called when a routing adaptor registers its domain
      * @return E_OK on success, E_UNKNOWN on error, E_ALREADY_EXISTENT if already
      * exists
      */
     virtual am_Error_e hookSystemRegisterDomain(const am_Domain_s& domainData, am_domainID_t&
domainID) =0;
     /**
      * is called when a routing adaptor wants to derigister a domain
      * @return E_OK on success, E_UNKNOWN on error, E_NON_EXISTENT if not found
      */
     virtual am_Error_e hookSystemDeregisterDomain(const am_domainID_t domainID) =0;
     /**
      * is called when a domain registered all the elements
      */
     virtual void hookSystemDomainRegistrationComplete(const am_domainID_t domainID) =0;
     /**
      * is called when a routing adaptor registers a sink
      * @return E_OK on success, E_UNKNOWN on error, E_ALREADY_EXISTENT if already
      * exists
      */
     virtual am_Error_e hookSystemRegisterSink(const am_Sink_s& sinkData, am_sinkID_t& sinkID)
=0;
     /**
      * is called when a routing adaptor deregisters a sink
      * @return E_OK on success, E_UNKNOWN on error, E_NON_EXISTENT if not found
      */
     virtual am_Error_e hookSystemDeregisterSink(const am_sinkID_t sinkID) =0;
     /**
      * is called when a routing adaptor registers a source
      * @return E_OK on success, E_UNKNOWN on error, E_ALREADY_EXISTENT if already
      * exists
      */
```

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

        /**

         * is called when a routing adaptor deregisters a source

         * @return E_OK on success, E_UNKNOWN on error, E_NON_EXISTENT if not found

         */

        virtual am_Error_e hookSystemDeregisterSource(const am_sourceID_t sourceID) =0;

        /**

         * is called when a routing adaptor registers a converter

         * @return E_OK on success, E_UNKNOWN on error, E_ALREADY_EXISTENT if already

         * exists

         */

        virtual am_Error_e hookSystemRegisterConverter(const am_Converter_s& converterData,
am_converterID_t& converterID) =0;

        /**

         * is called when a routing adaptor registers a gateway

         * @return E_OK on success, E_UNKNOWN on error, E_ALREADY_EXISTENT if already

         * exists

         */

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

        /**

         * is called when a routing adaptor deregisters a converter

         * @return E_OK on success, E_UNKNOWN on error, E_NON_EXISTENT if not found

         */

        virtual am_Error_e hookSystemDeregisterConverter(const am_converterID_t converterID) =0;

        /**

         * is called when a routing adaptor deregisters a gateway

         * @return E_OK on success, E_UNKNOWN on error, E_NON_EXISTENT if not found

         */

        virtual am_Error_e hookSystemDeregisterGateway(const am_gatewayID_t gatewayID) =0;

        /**

         * is called when a routing adaptor registers a crossfader

         * @return E_OK on success, E_UNKNOWN on error, E_ALREADY_EXISTENT if already

         * exists

         */

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

        /**

         * is called when a routing adaptor deregisters a crossfader

         * @return E_OK on success, E_UNKNOWN on error, E_NON_EXISTENT if not found

         */

        virtual am_Error_e hookSystemDeregisterCrossfader(const am_crossfaderID_t crossfaderID)
=0;

        /**

         * volumeticks. therse are used to indicate volumechanges during a ramp
```

```
         */

    virtual void hookSystemSinkVolumeTick(const am_Handle_s handle, const am_sinkID_t sinkID,
const am_volume_t volume) =0;

        /**
         * volumeticks. therse are used to indicate volumechanges during a ramp
         */

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

        /**
         * is called when an low level interrupt changed its state
         */

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

        /**
         * id called when a sink changed its availability
         */

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

        /**
         * id called when a source changed its availability
         */

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

        /**
         * id called when domainstate was changed
         */

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

        /**
         * when early data was received
         */

    virtual void hookSystemReceiveEarlyData(const std::vector<am_EarlyData_s>& data) =0;

        /**
         * this hook provides information about speed changes.
         * The quantization and sampling rate of the speed can be adjusted at compile time
         * of the AudioManagerDaemon.
         */

    virtual void hookSystemSpeedChange(const am_speed_t speed) =0;

        /**
         * this hook is fired whenever the timing information of a mainconnection has
         * changed.
         */

    virtual void hookSystemTimingInformationChanged(const am_mainConnectionID_t
mainConnectionID, const am_timeSync_t time) =0;

        /**
         * ack for connect
         */
```

```
virtual void cbAckConnect(const am_Handle_s handle, const am_Error_e errorID) =0;

/**
 * ack for disconnect
 */

virtual void cbAckDisconnect(const am_Handle_s handle, const am_Error_e errorID) =0;

/**
 * ack for crossfading
 */

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

/**
 * ack for sink volume changes
 */

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

/**
 * ack for source volume changes
 */

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

/**
 * ack for setting of source states
 */

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

/**
 * ack for setting of sourcesoundproperties
 */

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

/**
 * ack for setting of sourcesoundproperties
 */

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

/**
 * ack for setting of sinksoundproperties
 */

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

/**
 * ack for setting of sinksoundproperties
 */

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

/**
 * This function is used by the routing algorithm to retrieve a priorized list of
 * connectionFormats from the Controller.
```

```
      * @return E_OK in case of successfull priorisation.
      */

     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;
     /**
      * confirms the setCommandReady call
      */

     virtual void confirmCommandReady(const am_Error_e error) =0;
     /**
      * confirms the setRoutingReady call
      */

     virtual void confirmRoutingReady(const am_Error_e error) =0;
     /**
      * confirms the setCommandRundown call
      */

     virtual void confirmCommandRundown(const am_Error_e error) =0;
     /**
      * confirms the setRoutingRundown command
      */

     virtual void confirmRoutingRundown(const am_Error_e error) =0;
     /**
      * update form the SinkData
      */

     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;
     /**
      * update from the source Data
      */

     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;
     /**
      * updates the Converter Data
      */

     virtual am_Error_e hookSystemUpdateConverter(const am_converterID_t converterID, const
std::vector<am_CustomConnectionFormat_t>& listSourceConnectionFormats, const
std::vector<am_CustomConnectionFormat_t>& listSinkConnectionFormats, const std::vector<bool>&
convertionMatrix) =0;
     /**
      * updates the Gateway Data
      */

     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>&
convertionMatrix) =0;
```

```
      /**

       * ack for mulitple volume changes

       */

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

      /**

       * The acknowledge of the sink notification configuration

       */

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

      /**

       * The acknowledge of the source notification configuration

       */

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

      /**

       * new sinkNotification data is there!

       */

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

      /**

       * new sourceNotification data is there!

       */

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

      /**

       * sets a user MainSinkNotificationConfiguration

       * @return E_OK on success, E_OUT_OF_RANGE if out of range, E_UNKNOWN on error

       */

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

      /**

       * sets a user MainSourceNotificationConfiguration

       * @return E_OK on success, E_OUT_OF_RANGE if out of range, E_UNKNOWN on error

       */

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

      /**

       * This hook is connected to the NodeState signal of the NodeStateManager

       */

      virtual void hookSystemNodeStateChanged(const NsmNodeState_e NodeStateId) =0;

      /**

       * This hook is connected to the NodeApplicationMode signal of the NodeStateManager

       */

      virtual void hookSystemNodeApplicationModeChanged(const NsmApplicationMode_e
ApplicationModeId) =0;

      /**

       * the sessionstate change was send by the NSM
```

```
     */

     virtual void hookSystemSessionStateChanged(const std::string& sessionName, const
NsmSeat_e seatID, const NsmSessionState_e sessionStateID) =0;
     /**
      * A lifecycle request comes in from the NSM and must be processed.
      * @return NsmErrorStatus_Ok if successful
      * The controller has to respond to this message with LifecycleRequestComplete.
      */

     virtual NsmErrorStatus_e hookSystemLifecycleRequest(const uint32_t Request, const
uint32_t RequestId) =0;
     /**
      * This hook is fired whenever the timing information of a connection has changed.
      */

     virtual void hookSystemSingleTimingInformationChanged(const am_connectionID_t
connectionID, const am_timeSync_t time) =0;


};
}
#endif // !defined(EA_69597D9E_B0A3_4c6d_BBB6_E7F436B8B799__INCLUDED_)
```