

Broadcast Engineering

[REDACTED] Recording – Interim Technical Summary

Document Number [REDACTED]

Caroline Bailey, Document Engineer

0.0 Document Control

0.1 Review

Role	Name	Title	Date
Author	Caroline Bailey	Systems Engineer – Documentation	12/15/2016
Reviewer			
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0.2 Version Control

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Table of Contents

0.0	Document Control	2
0.1	Review..	2
0.2	Version Control	2
1.	Purpose.	4
2.	Overview..	4
3.	Proposed System..	4
3.1	Description of the proposed system..	4
3.2	Workflow..	5
Fig. 1	– Timeline Population.	5
Fig. 2	– Set Routes.	6
Fig. 3	– Cue Record.	6
Fig. 4	– Start Record.	7
Fig. 5	– Stop Record.	7
Fig. 6	– Neutral Routing.	8

Conops [REDACTED] Recording

1. Purpose

The purpose of this document is to establish and codify the expectations of the [REDACTED] record scheduling function as it interfaces with [REDACTED] [REDACTED] and [REDACTED] servers in the [REDACTED] environment.

2. Overview

The [REDACTED] record scheduling function is intended to handle the scheduling of recordings in both [REDACTED] [REDACTED] and [REDACTED]; it does this by accepting scheduling input from [REDACTED], Web [REDACTED], or directly, then executes the schedule to both [REDACTED] and [REDACTED].

3. Proposed System

3.1 Description of the proposed system

An event will be scheduled in [REDACTED]'s [REDACTED] for recording using [REDACTED] or Web [REDACTED]. Parameters specified include feed source, primary and backup recorder, desired date and time of recording, and House Name.

If a House Name is not provided by the user, [REDACTED] can autogenerate a House Name. If this occurs, the House Name will be a unique number prefixed with **XXXX-**

[REDACTED] will then send API calls via the [REDACTED] Webservice to populate the [REDACTED] timeline and create an audio placeholder; this shall match the [REDACTED] schedule and may be confirmed by comparing the timelines. Approximately ten (10) seconds before recording is to start, [REDACTED]'s VDCP service sends a cue command to the [REDACTED] recorders. At the scheduled start and stop times, [REDACTED] sends the appropriate command to the [REDACTED] recorders.

Twenty-five (25) seconds before the scheduled record start time [REDACTED] will command the [REDACTED] servers to configure the appropriate data routes to direct output to the designated [REDACTED] recorder; twenty-five (25) seconds after the scheduled record end time [REDACTED] will command the [REDACTED] server routes to a neutral state.

3.2 Workflow

At some time before recording is scheduled to start, [REDACTED] will send an API call to [REDACTED] using the VDCP ports to populate the [REDACTED] timeline.

Fig. 1 – Timeline Population

Twenty-five (25) seconds before start, [REDACTED] commands [REDACTED] to set the routes for the upcoming recording.

Fig. 2 – Set Routes

Five (5) seconds before start, [REDACTED] commands [REDACTED] to cue for recording.

Fig. 3 – Cue Record

At record time, [REDACTED] commands [REDACTED] to start recording.

Fig. 4 – Start Record

When the end of record time is reached, [REDACTED] commands [REDACTED] to stop recording.

Fig. 5 – Stop Record

Twenty-five (25) seconds after end of record time, [REDACTED] commands [REDACTED] to configure routes to a neutral state.

Fig. 6 – Neutral Routing