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Quality Assessment Missing File Report

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1. Purpose

A sanity check of the conversion of the FSM WAV file to WAV PCM file was conducted as part of phase 1 of the SGER project. The sanity check was conducted by comparing the list of original FSM WAV file names against the list of converted PCM file names.¹

2. Identifying the missing files

1. Using Karen's Directory Printer (KDP) a list of original FSM WAV filenames was generated from directory - S:\Freedom System - hard drive = 159,787 files
2. Using KDP a list of converted WAV PCM filenames was generated from directory - S:\SGER_GRANT\Converted_WAV = 150,730 files

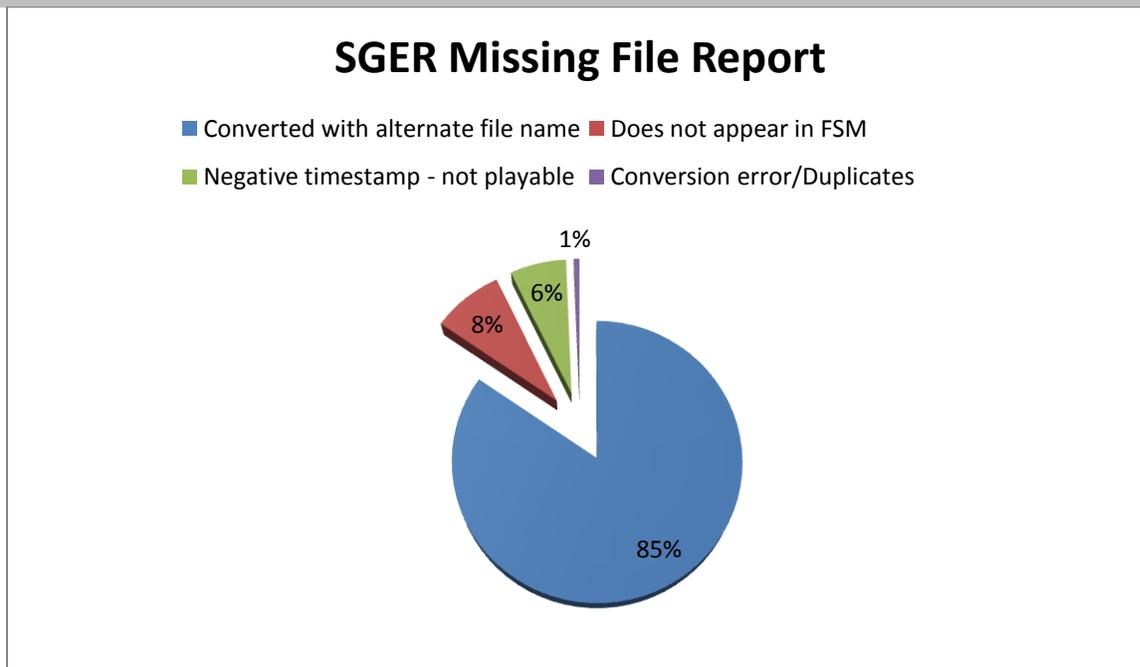
¹ All converted WAV PCM were matched up with the original FSM WAV file name to preserve the inherent context of the FSM WAV file name.

3. Added both lists to Excel to conduct a comparison - S:\SGER_GRANT\SGER_documents\Assessments\FSHD_CONWAY_comparison20170327.xlsx
4. Using conditional formatting, a comparison was run on the FSM and PCM lists to find duplicates (successfully converted files).
5. A total of 1914 files were found to be missing from the WAV PCM list.
6. An excel was created to investigate why these files were not converted - Missing_file_assessment_master.xlsx

3. Missing file assessment procedures

1. Confirm if the file is in the FS HD directory: <S:\Freedom System - hard drive>
2. Confirm if the call appears in FSM.
3. Confirm if the call appears in the FS file inventory.
4. Confirm if the call was converted appears in the SGER converted file inventories: S:\SGER_GRANT\Converted_WAV
5. Confirm if the call was converted and appears in the Converted WAV directories: S:\SGER_GRANT\Converted_WAV

4. Results



The results of the assessment fell into 4 categories:

1. FSM file converted with an alternate filename - the majority of the files that were identified missing or unconverted were simply converted with a similar but slightly different file name. For example, a file/call with the original filename 'c101_03_05_2006_124231.wav' does not appear in the FSM database and therefore it cannot be converted to WAC PCM. The file 'c101_03_05_2006_124322.wav' does appear in FSM and was converted. This file contains the same content as the unconverted/missing file and it most cases has the exact duration of the missing call. Other files that fall into this category are the FSM duplicate call file names. In some instances calls were recorded within the Primary and Backup FSM directories with the same filename, calls that began at same time and were given an identical timestamp. Because the FSM stores calls in multiple, separate directories the occurrence of duplicate filenames is common. To distinguish

identical filenames with the Converted WAV directories, a 'p' or 'b' suffix was added to the filename. The suffix added depends on which duplicate filename was converted first, if the file located in the Primary directory is converted first the duplicate filename will be given the 'b' suffix and vice versa. This allows us to identify the origin of these unique files with identical filenames.

A small number of files in this category are files that were incorrectly labeled due to human error during phase 1. These errors have been remediated and noted in the missing file assessment excel.

2. File does not appear in FSM - 151 files that are in the FS HD directories are not displayed in FSM. This means that these files cannot be played or converted. Investigation has indicated that some of these files fall into category 1. More investigation of these files is required to confirm if the content of the call has been captured in other files or if a work around to convert these files is required.
3. FSM files with a negative timestamp - 115 files in FSM have been recorded with a negative timestamp. The files do not contain any content and are unplayable.
4. Conversion errors/Duplicates - 12 files fall into this last category. This category contains true duplicates (2 files), files that require investigation/remediation (5 files), and FSM files that crash the program when attempting an export (5 files).



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