

## **Use Case and Implementation Examples: Spoken Word Audio CEA-2003C**

*These examples are not meant to be all-inclusive or prohibit other types of spoken word presentation, but are included to give content providers and device manufacturers examples of achieving the goals of standards compliance and an outstanding spoken word audio experience for the consumer.*

**Example 1.** Book/Novel, physical media: A consumer purchases an audiobook in MP3-CD format. The content provider formats the CEA/APA Audiobook Format audiobook so that each file contains one chapter of the audiobook, and includes the binary toc.mau file in the root of the CD. The consumer listens to the audiobook at different times and different days, but on the same playback device.

The Audiobook Compatible playback device will recognize the Audiobook Format audiobook and enable defaults and navigational options for audiobook navigation. The player will enable auto-resume playback, allowing the consumer to stop listening to the audiobook for a period of time and return to the same point in the audiobook when playback is resumed. The device displays the chapter name and page number currently playing. The consumer is able to view information such as the book title, book author, and book narrator by changing display in some way, e.g. button push.

**Example 2.** Collection/Stories, download: A consumer has downloaded an audiobook in WMA format. The content provider provides the WMA file, which contains a collection of short stories in one file, and the Audiobook Format toc.aub and bookmark.aub, both XML files. The length of the file is 7 hours and the content provider has provided navigational data for three levels: Story, Chapter, and Page. The consumer will begin listening to the spoken word audio in a vehicle with an Audiobook Compatible portable media device connected through USB to the in-dash receiver. By means of navigational buttons on the portable media device, the consumer will navigate from one story to another, bookmarking a favorite in order to return easily to that story another time. The consumer will stop playback of the audio in the vehicle at some point and synchronize the portable media device with an Audiobook Compatible home entertainment system.

The Audiobook Compatible portable media device will record bookmark information, such as the auto-resume point and the short story the consumer bookmarked for future reference. This information was saved in the bookmark.aub file by the portable media device. Upon synchronization with the home entertainment center, the consumer will resume listening where playback was stopped, and can return to favorite stories that were bookmarked while in the vehicle.

**Example 3.** Scripture/Judeo-Christian, file transfer: A consumer has purchased the spoken word Audiobook Format recording of the New International Version Bible. The content provider has formatted the 76 hours of spoken word in one-hour MP3 files and provides both the binary toc.mau and XML toc.aub. The Table of Contents files include metadata for display and navigation by Testament, Book, Chapter and Verse.

The Audiobook Compatible playback software installed on the consumer's computer displays a nested series of all levels and names of those levels in a familiar, table of contents presentation. The consumer may begin play anywhere within the spoken word audio, search for a particular Testament, Book, Chapter, or Verse, and bookmark favorites for easy playback, or choose to listen to the collection from beginning to end with auto-resume capability whenever playback is stopped.

**Example 4.** Periodical/Newspaper, wireless subscription: A consumer has a newspaper podcast subscription delivered in MP3 format automatically each day to his Bluetooth-enabled PDA. The consumer listens to each morning's broadcast during commute in a vehicle equipped with an Audiobook Compatible stereo head unit which wirelessly connects through Bluetooth to the Audiobook Compatible PDA. The content provider has formatted the XML toc.aub with two levels of navigation, consisting of Article Title and Paragraph Number. Additional information regarding the podcast spoken word audio, such as Newspaper Name, Issue Date, and Editor Name can be displayed on the PDA by choosing an "Info" button. The PDA passes information regarding the toc.aub to the head unit, which by default displays the Article Title and Author's name on a two-line display. Interaction from the consumer (button push) can change the display to show Paragraph Number or Issue Date.

On arrival at destination, the consumer will use a Bluetooth headset to continue listening to the newspaper podcast, displaying information and navigating articles by interacting with the PDA. If the PDA is powered down or playback is stopped before the podcast is complete, the Audiobook Compatible PDA will enable auto-resume features to restart where the consumer stopped playback.