Change Topic: CNAV Reference Times

This change package accommodates the text changes to support the proposed solution (see table below) within the public Signals-in-Space (SiS) documents. All comments must be submitted in Comments Resolution Matrix (CRM) form.

The columns in the WAS/IS table following this page are defined below:

Section Number: This number indicates the location of the text change within the document.

Proposed Heading: Contains existing and/or proposed changes to section titles and/or the titles to new sections

(WAS) <Document Title>: Contains the baseline text of the impacted document.

Proposed Object Text: Contains proposed changes to baseline text.

PROBLEM STATEMENT:
The current CNAV signals (L2C, L5, and L1C) reference time parameters are stated to be 100% common to the LNAV reference time parameters. However, there are additional time parameters that apply to the CNAV signals (reference time parameters, epoch times, and algorithms detecting cutovers specific to CNAV).   Not applying the additional time parameters to receivers processing the CNAV signal may prevent receivers from correctly processing the modernized GPS signal.
SOLUTION: *(Proposed)*
State the complete list of timing parameters that pertain to the CNAV signal.
Note: The proposed changes for CNAV Reference times in IS-GPS-705C correctly reference (Section 30.3.4.5) in IS-GPS-200 that contains the correct/complete list of parameters that apply to the CNAV signal.

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Section	IS-GPS-705 RevC (5 Sep 2012) L5 SS and Nav User Segment Interfaces	Proposed CNAV Reference Time Changes
20.3.4.5	The LNAV reference time information in paragraph 20.3.4.5 in IS-GPS-200 also applies to the CNAV reference times.	The CNAV reference time information may be found in paragraph 30.3.4.5 in IS-GPS-200.

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