Infected Document:         IRNXSCN Number         DD:MIM.YYY           Authority:         Proposed Change Notice         Date:         09.UN-2022           Document Title:         Nave State Control Segment (OCX) to User Support Community Interface         ERC 004477         09.UN-2022           Document Title:         Nave State Control Segment (OCX) to User Support Community Interface         ERC 004477         09.UN-2022           Reson For Change (Driver):	CHANGE NOTICE				
Authority: RPC.0477         Proposed Change Notice PCN-ICD-2701: RFC477         Date: 09-UN-2022           Document Title: Navstar Next Generation GFS Control Segment (OCX) to User Support Community Interface         09-UN-2022           RFC Title: OCX XML Products for Civil Users         Reason For Change (Driver):         1           1         The technical baseline does not reflect OCX as built. The five GPS data products distributed in the AEP era are the Notice Advisory to Navstar Users (NANU), the Operational Advisory (OA), the Almanac (SFM & VUMA), the Satellite Outage File (SOP), and the Anti-Spoor (A-S) file. These data products are formated in plain text and they;         a. Are being depretated i.e. further updates and support are discontinued while ensuing buckwards compatibility           b. Do not conform to the requisite Sate data products are formated in plain text and they;         a. There is no communication mechanism to alert external stakcholders of changes happening due to the transition from AEP to OCX           1010: File Operational acceptance of OCX might be impacted by the OCX XML. Products without a workaround and the potential of associated action times from the 2022 Public ICWG           Description of Change:         1. Update the technical baseline to reflect OCX as built. Consolidate the five, plain text data products into four, XML based data products for distribution. The four new data products are the GPS Advisory (NANU), GPS Advisory Collection (SOF), Ops Status (OA), and the Public Common Almanae (SEM, YUMA, and A-S)           a. Provide a Valdate and Transform Uility (VATU), ensuring backwards compatibility         b. Baseline the NIEM Information Exchange Package Documentation (IEPD					
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Authored By: RE: Danny Froerer         Checked By: RE: Christopher Adams           AUTHORIZED SIGNATURES         REPRESENTING         DATE           PNT Technical Director, MilComm & PNT Directorate, Space Systems Command (SSC)         PNT Technical Director, MilComm & PNT Directorate, Space Delta 8         Department of Homeland Security (OHS), United States Coast Guard (USCG), Navigation Center (NAVCEN)         Department of Transportation (DOT), Federal Aviation Administration (FAA)           DISTRIBUTION STATEMENT A: Approved For Public Release; Distribution is Unlimited         Interface Control Contractor: SAIC (GPS SE&I)           THIS DOCUMENT SPECIFIES TECHNICAL REQUIREMENTS AND NOTHING HEREIN CONTAINED SHALL BE DEEMED TO ALTER THE TERMS OF ANY CONTRACT OR PURCHASE         Interface Control Contractor: SAIC (GPS SE&I)           200 N. Pacific Coast Highway, Suite 1800 EI Segundo, CA 90245         200 N. Pacific Coast Highway, Suite 1800	<ol> <li>Update the technical baseline to reflect OCX as built. Consolidate the five, plain text data products into four, XML based data products for distribution. The four new data products are the GPS Advisory (NANU), GPS Advisory Collection (SOF), Ops Status (OA), and the Public Common Almanac (SEM, YUMA, and A-S)         <ul> <li>a. Provide a Validate and Transform Utility (VATU), ensuring backwards compatibility</li> <li>b. Baseline the NIEM Information Exchange Package Documentation (IEPD) specification which contains schemas, documentation, business rules, metadata, and samples</li> </ul> </li> </ol>				
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## ICD870-744:

Insertion after object ICD870-6 **Section Number**:

1.1.0-7

WAS:

<INSERTED OBJECT>

## **Redlines**:

GPS developer/sustainer organizations together with developers/sustainers/operators of systems which consume GPS data are collectively referred to herein as the GPS Community. *Object Type*: Info-Only

# IS:

GPS developer/sustainer organizations together with developers/sustainers/operators of systems which consume GPS data are collectively referred to herein as the GPS Community.

Object Type: Info-Only

## Rationale:

Comment received during review period identified the need for clarification in the document as to the meaning of "GPS Community". Copied exact text for definition contained within ICD-GPS-875A ICD875-493.

## ICD870-721:

## Section Number:

3.1.0-12

WAS:

The GPS CS will employ schema versioning whereby new data dissemination data/schema will be made available early in a pre-production form to allow synchronized development of automated ingestion and processing systems by users. In addition, operational data will be available in a production-full support form and in a production-deprecated form to allow graceful transition and retirement of obsolete data/schema.

#### Redlines:

The GPS CS will employ schema versioning whereby new data dissemination data/schema will be made available early in a pre-production form to allow synchronized development of automated ingestion and processing systems by users. In addition, operational data will be available in a production full support form and in a production deprecated form to allow graceful transition and retirement of obsolete data/schema.

## IS:

<DELETED OBJECT>

## Rationale:

Schema versioning is not contained in any requirement leveraged against the CS. This item is being deleted to closer align with ICD-GPS-875.

## ICD870-681:

#### Section Number:

3.1.0-35

WAS:

The CS will employ schema versioning whereby new data/schema will be available in a non-operational pre-production form to support integration, test and transition. In addition, operational data will be available in a production-full support form and in a production-deprecated form to allow graceful transition and retirement of obsolete data/schema. **Redlines**:

The CS will employ schema versioning whereby new data/schema will be available in a non-operational pre-production form to support integration, test and transition. In addition, operational data will be available in a production-full support form and in a production-deprecated form to allow graceful transition and retirement of obsolete data/schema. **IS**:

<DELETED OBJECT>

# Rationale:

Schema versioning is not contained in any requirement leveraged against the CS. This item is being deleted to closer align with ICD-GPS-875.