

PROPOSED INTERFACE REVISION NOTICE (PIRN)

Note: This Cover Page is not intended for signature. It is to be used during the document update (pre-ICWG) process.

Affected ICD/IS:
ICD-GPS-870B

PIRN Number:
PIRN-870B-002

Authority:
RFC-00352

PIRN Date:
27-APR-2017

CLASSIFIED BY: N/A
DECLASSIFY ON: N/A

Document Title: NAVSTAR Next Generation GPS Control Segment (OCX) to User Support Community Interface

Reason For Change (Driver):

Clarify SPS PS derived requirements for NANU issuance.

Description of Change:

Update IS-GPS-870, Section 10.2 NANU Notification Times, in order to provide clarification of the requirement and to mitigate any potential delays of the SPS PS and PPS PS for NANU issuance (as proposed by Aerospace).

Prepared By: John Kasper

Checked By: Huey Nguyenhuu

DISTRIBUTION STATEMENT A: Approved For Public Release; Distribution Is Unlimited

ICD870-139, 10.2 NANU Notification Times:

WAS:

NANU messages announcing scheduled events are normally distributed to the user community prior to the event. NANU messages announcing unscheduled events are normally distributed to the user community as soon as practical after the event. However, mission critical problems have priority over user notification and therefore may delay normal NANU distribution. NANU notification times typically vary by NANU group. Nominal and objective NANU notification times for the four NANU groups are summarized in Table 10-IV.

Redlines:

NANU messages announcing scheduled events are normally distributed to the user community prior to the event. NANU messages announcing unscheduled events are normally distributed to the user community as soon as practical after the event. However, mission critical problems have priority over user notification and therefore may delay normal NANU distribution. NANU notification times typically vary by NANU group. Nominal and objective NANU notification times for the four NANU groups are summarized in Table 10-IV. [The status and problem reporting standards given in the current editions of the GPS Precise Positioning Service Performance Standard \(PPSPS\) and GPS Standard Positioning Service Performance Standard \(SPSPS\) are applicable requirements for DoD.](#)

Rationale:

Clarify SPS PS derived requirements for NANU issuance.

IS:

NANU messages announcing scheduled events are normally distributed to the user community prior to the event. NANU messages announcing unscheduled events are normally distributed to the user community as soon as practical after the event. However, mission critical problems have priority over user notification and therefore may delay normal NANU distribution. NANU notification times typically vary by NANU group. Nominal and objective NANU notification times for the four NANU groups are summarized in Table 10-IV. The status and problem reporting standards given in the current editions of the GPS Precise Positioning Service Performance Standard (PPSPS) and GPS Standard Positioning Service Performance Standard (SPSPS) are applicable requirements for DoD.

ICD870-141, Table 10-IV NANU Notification Times:

WAS:

NANU Group	Nominal Notification Times	Objective
Scheduled	48 hrs prior to outage start	96 hrs prior to outage start
Unscheduled	Less than 1 hr after outage start	15 minutes after outage start
General	No Nominal – Timing determined on a case-by-case basis	
Other	No Nominal – Timing determined on a case-by-case basis	

Redlines:

NANU Group	Nominal Notification Times	Objective Threshold
Scheduled	48 hrs prior to outage start Nominally 96 hours prior to outage start.	NLT 48 96 hrs prior to outage start per the performance standards (see note #1)
Unscheduled	Less than 1 hr after outage start	15 minutes after outage start
General	No Nominal – Timing determined on a case-by-case basis	
Other	No Nominal – Timing determined on a case-by-case basis	
NOTE 1: If the need for a planned outage is determined less than 48 hours prior to the start time of the outage, the associated Forecast NANU may not meet the Scheduled outage Threshold.		

Rationale:

Clarify SPS PS derived requirements for NANU issuance.

IS:

NANU Group	Nominal Notification Times	Threshold
Scheduled	Nominally 96 hours prior to outage start.	NLT 48 hrs prior to outage start per the performance standards (see note #1)
Unscheduled	Less than 1 hr after outage start	15 minutes after outage start
General	No Nominal – Timing determined on a case-by-case basis	
Other	No Nominal – Timing determined on a case-by-case basis	
NOTE 1: If the need for a planned outage is determined less than 48 hours prior to the start time of the outage, the associated Forecast NANU may not meet the Scheduled outage Threshold.		