

PROPOSED INTERFACE REVISION NOTICE (PIRN)

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Affected ICD/IS:
ICD-GPS-240A

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Authority:
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Document Title: NAVSTAR GPS Control Segment to User Support Community Interface

Reason For Change (Driver):

Clarify SPS PS derived requirements for NANU issuance.

Description of Change:

Update IS-GPS-240, 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).

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

ICD240-120, 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 \(PPS PS\) and GPS Standard Positioning Service Performance Standard \(SPS PS\) 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 (PPS PS) and GPS Standard Positioning Service Performance Standard (SPS PS) are applicable requirements for DoD.

ICD240-122, Table 10-IV NANU Notification Times:

WAS:

NANU Group	Nominal Notification Times		Objective
Scheduled	96 hrs prior to outage start	1 hr after outage start	7 days 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	96 hrs prior to outage start	-1hr after outage start	NLT 48 96 hrs prior to outage start per the performance standards (see note #1)
	Nominally 96 hours 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		
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.

