European
Global Navigation
Satellite Systems
Agency

To: Peter BUIST

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Subject: KPI Format

Reference: GSA-GAL-GRC-TN-A00727

KPI format

This document describes the file format for reporting Key Performance Indicators for the GNSS Services. The format is a CSV file, separated by ";".

The CSV file should contain one or more lines. Each line should have the following fields available:
Service Line;Service Category;Business Service;Batch;Satellite;PRN;Slot;GSS Site;Station;Service;Type;Mode;Target;Unit;Month/Year;Result

A field can be empty if it does not apply to specific KPI For instance, for KPIs on Ranging Accuracy, fields "GSS Site" and "Station Identifier" are be left empty.

Service Line: Definition of the Service ("Open Service" for this case)

Service Category: Type of Service ("Ranging Domain", "Timing Domain", "Position Domain")

Business Service: Following values are accepted, additional values for other parameters can be proposed:

- SDD-OS-01 : Ranging Accuracy (Include SF or DF)
- SDD-OS-02: UTC Time Dissemination Accuracy
- SDD-OS-03: UTC Frequency Dissemination Accuracy
- SDD-OS-04: Per-Slot Availability
- SDD-OS-05: Availability of SF Ranging Accuracy
- SDD-OS-06: Availability of DF Ranging Accuracy
- SDD-OS-07: Availability of UTC Determination Service (SF)
- SDD-OS-08: Availability of UTC Determination Service (DF)
- SDD-OS-09: GGTO Accuracy
- SDD-OS-10: Availability of GGTO Determination Service (SF)
- SDD-OS-11: Availability of GGTO Determination Service (DF)

Batch: “FOC” or “IOV” for the current satellites

Satellite: Satellite Vehicle Number (GSATXXXX)

PRN: PRN Number (EXX)

Slot: Slot as defined in GSC web page

GSS Site: Station Name (For instance, Kouru)

Station: Station Identifier (For instance KOUR)

Service: Service, for instance “OS”

Type: “Single” or “Dual”

Mode: Frequency reported (e.g: “E1”, “E1E5b”, etc)

Target: Target value

Unit: KPI units (e.g “%”, “m”, etc)

Month/Year: Date reported. In format yy-MMM, where MMM are the three first letters of the month.

Result: KPI value

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Example; file format

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Service Line;Service Category;Business Service;Batch;Satellite;PRN;Slot;GSS Site;Station;Service;Type;Mode;Target;Unit;Month/Year;Result
Open Service;Ranging Domain;SDD-OS-0004 Per-slot Availability for Single Frequency Users;FOC;GSAT0203;E26;B08;;;OS;Single;E1-B;90;%;18-May;99.82
Open Service;Ranging Domain;SDD-OS-0004 Per-slot Availability for Single Frequency Users;FOC;GSAT0203;E26;B08;;;OS;Single;E5a;90;%;18-May;99
Open Service;Ranging Domain;SDD-OS-0004 Per-slot Availability for Single Frequency Users;FOC;GSAT0203;E26;B08;;;OS;Single;E5b;90;%;18-May;99
Open Service;Ranging Domain;SDD-OS-0004 Per-slot Availability for Single Frequency Users;FOC;GSAT0207;E07;C06;;;OS;Dual;E5b/E1;90;%;18-May;100
Open Service;Ranging Domain;SDD-OS-0004 Per-slot Availability for Dual Frequency Users;FOC;GSAT0209;E09;C02;;;OS;Dual;E5a/E1;90;%;18-May;100
Open Service;Ranging Domain;SDD-OS-0004 Per-slot Availability for Dual Frequency Users;FOC;GSAT0203;E26;B08;;;OS;Single;E5a;2;m;18-May;0.54
Open Service;Ranging Domain;SDD-OS-0001 SIS Ranging Accuracy for Single Frequency Users;FOC;GSAT0205;E24;A08;;;OS;Single;E5b;2;m;18-May;0.4
Open Service;Ranging Domain;SDD-OS-0001 SIS Ranging Accuracy for Single Frequency Users;FOC;GSAT0207;E07;C06;;;OS;Single;E1-B;2;m;18-May;0.28
Open Service;Ranging Domain;SDD-OS-0001 SIS Ranging Accuracy for Single Frequency Users;FOC;GSAT0208;E09;C02;;;OS;Single;E1-B;2;m;18-May;0.33
Open Service;Ranging Domain;SDD-OS-0001 SIS Ranging Accuracy for Dual Frequency Users;IOV;GSAT0101;E11;B05;;;OS;Dual;E5b/E1;2;m;18-May;0.46
Open Service;Ranging Domain;SDD-OS-05: Availability of SF Ranging Accuracy;;;;;;;OS;Single;E5a;90;%;18-May;100
Open Service;Ranging Domain;SDD-OS-06: Availability of DF Ranging Accuracy;;;;;;;OS;Dual;E5a/E1;90;%;18-May;100
Open Service;Timing Domain;SDD-OS-02: UTC Time Dissemination Accuracy;;;;;;;;;;30;ns;18-May;90
Open Service;Timing Domain;SDD-OS-007 UTC Dissemination Availability for Single Frequency Users;;;;;;;OS;Single;E5a;90;%;18-May;100
Open Service;Timing Domain;SDD-OS-09: GGTO Accuracy;;;;;;;;;;20;ns;18-May;70.6
Open Service;Timing Domain;SDD-OS-11: Availability of GGTO Determination Service (DF);;;;;;;OS;Dual;E5a/E1;90;%;18-May;100
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