



## General Authority of Civil Aviation

Syrian Arab Republic — Electronic Aeronautical Information Publication

### ENR 4.3

ENR

| CATEGORY | EFFECTIVE DATE | AMENDMENT    | STATUS    |
|----------|----------------|--------------|-----------|
| ENR      | 27 Mar 2026    | AMDT 01/2026 | Published |

## Global Navigation Satellite System (GNSS)

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### General

GNSS-based navigation using GPS is supported for en-route and terminal operations within the Damascus FIR, subject to RNP 1 approval.

Operators intending to use GNSS must comply with the procedures outlined in the Manual PBN for Syria, including:

- Aircraft must have approved GNSS equipment with appropriate RAIM or augmentation availability.
- RNP 1 approval is required for operations on RNAV routes.
- Pilots must monitor GNSS RAIM availability and have conventional navigation aids available as backup.

### Satellite Navigation Systems (AIP ENR 4.3)

GNSS navigation within the Damascus FIR is based on the **GPS constellation** (US NAVSTAR). The following satellite-based systems are applicable:

| SYSTEM               | TYPE                         | STATUS IN DAMASCUS FIR                         |
|----------------------|------------------------------|--|
| <b>GPS (NAVSTAR)</b> | Core constellation           | Approved for en-route and terminal use         |
| <b>GLONASS</b>       | Core constellation           | Accepted as multi-constellation augmentation   |
| <b>SBAS (EGNOS)</b>  | Satellite-Based Augmentation | Not operationally available; coverage marginal |
| <b>GBAS</b>          | Ground-Based Augmentation    | Not implemented at any Syrian aerodrome        |

Operators must ensure **RAIM availability** or equivalent fault detection for all GNSS-based operations. NOTAM will be issued for any predicted GNSS service outages affecting the Damascus FIR.

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**GACA-SECTION-ENR 4.3-20260311-141841-7FAB8FD8F6A6640B**

Generated: 2026-03-11T14:18:41 | Type: SECTION

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