

réf. **GNSS-INT**

Code OACI 179

ENAC - SINA/EES/ELE

**FORMATION EN ANGLAIS**

**DURÉE**

2 jours

**PLACES OFFERTES**

40

**DATES ET LIEUX**

No session in 2016, recast in progress

**CONDITIONS DE PARTICIPATION**

Frais pédagogiques :  
Catégorie B  
• 2017 : 756 €

Informations pratiques :  
voir en fin de catalogue

**CONTACT ADMINISTRATIF ENAC**

formationcontinue@enac.fr

Bulletin d'inscription obligatoire :  
voir en fin de catalogue

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**Objectifs**

This course provides a solid foundation of GNSS integrity for civil aviation applications. It starts with an overview of civil aviation requirement. To ensure the levels required for various phases of flight, different architectures to augment the basic constellations have been defined. These augmentation systems (RAIM, GPS/INS, SBAS and GBAS) and especially the way they provide integrity monitoring are described. This course concludes with Galileo GIC overview.

**Participants concernés**

Engineers and executives.

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**Contenu**

**Integrity requirements & monitoring for civil aviation applications**

**Ground based Augmentation System**

- GBAS typical architecture and implementation
- GBAS correction, integrity message
- Protection levels computation

**Satellite Based Augmentation System**

- SBAS typical architecture and implementation
- SBAS correction, integrity message
- Protection levels computation

**Airborne Based Augmentation System**

- RAIM
- AAIM

**GALILEO GIC**

- Integrity monitoring structure
- Integrity message
- User algorithm

For information only : 12 hours

**RESPONSABLE(S) DU STAGE**

Anaïs MARTINEAU [Systèmes Informatiques]