

RAIM for Civil Aviation

réf. **GNSS-RAIM**

Code OACI 179

ENAC - SINA/EES/ELE

FORMATION EN ANGLAIS

DURÉE

1 jour

PLACES OFFERTES

40

DATES ET LIEUX

No session in 2016, recast in progress

CONDITIONS DE PARTICIPATION

Frais pédagogiques :
Catégorie B
• 2016 : 378 €
• 2017 : 378 €

Informations pratiques :
voir en fin de catalogue

CONTACT ADMINISTRATIF ENAC

formationcontinue@enac.fr

Bulletin d'inscription obligatoire :
voir en fin de catalogue

RESPONSABLE(S) DU STAGE

Anaïs MARTINEAU [Systèmes
Informatiques]

Objectifs

This course provides an overview on RAIM techniques and assumptions for civil aviation use. It starts with an overview of civil aviation requirement and then focuses on Least Square Residual Method implementation. It also describes how RAIM algorithms specifications are derived from high level requirements. This course concludes with RAIM future focusing on GPS/Galileo RAIM applications.

Participants concernés

Engineers and executives.

Contenu

GNSS integrity requirements for civil aviation application

Least Square Residual Method

- Least Squares Position Solution
- Detection criterion
- Protection levels computation

Algorithm specifications from high level requirements

- Threat model
- False alert
- Missed detection

Practical examples

Future of RAIM

- GPS/Galileo RAIM for civil aviation
- RAIM for other applications

For information only : 6 hours