

3-11. GBAS

(Ground-Based Augmentation System)



Category	Area	Ground Support Equipment and Services
	Theme	Improving air traffic efficiency, Decarbonation, Countermeasures against Aircraft noise

Product Summary

- A landing guidance system to assist aircraft approach and landing using GPS technology

Features

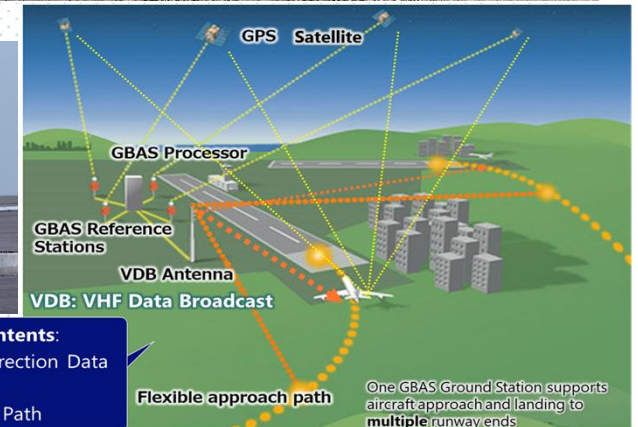
- Compliant with international standard ICAO SARPs
- Challenge of GBAS in low magnetic latitude environments with the introduction of IFM (Ionospheric Field Monitor)
- Benefits of GBAS
 - Lower installation and operation costs (Supporting aircrafts approach for multiple runways and bidirectional)
 - Flexible approach and landing methods can be selected

Applications

- Installed in and near airports

Past Installations

- Japan : Civil Aviation Bureau, Ministry of Land, Infrastructure, Transport and Tourism



GBAS Message Contents:

- ✓ Differential Correction Data
- ✓ Integrity Data
- ✓ Final Approach Path

Contact Information

Erika Koshino
 Land, Infrastructure, Transport and Tourism
 Solution Department, NEC Corporation
 TEL: +81-3-3798-6683
 E-mail: e-koshino@nec.com
 URL: <https://www.nec.com>