



SBAS/GBAS Implementation Workshop
for Airspace Users
Bengaluru, India



Day 1 (14 Oct 2025) Session 1 – Introduction to SBAS/GBAS		
Time	Program	Speakers
08:30 – 09:00	Registrations	
09:00 – 10:00	Welcome Address	India
	Opening remarks	Mr. Raphael Guillet, Chief of ICAO APAC Regional Sub- Office (RSO)
	House-keeping announcement	India
10:00 – 10:15	CNS Implementation in India	AAI India
10:15 – 10:30	Concept and benefits of SBAS/GBAS	Mr. Raphael Guillet, Chief, ICAO APAC RSO
10:30 – 10:45	Updates on ICAO's activities/documentation related to SBAS/GBAS	Ms. Soniya Nibhani, Regional Officer, ICAO APAC office & Mr. Dr. Susumu SAITO, Principal Researcher, Electronic Navigation Research Institute, Japan, co-chair of GBAS SBAS ITF
10:45 – 11:00	SBAS/GBAS benefits for airspace users	Indian Airline (Indigo??) AAI
11:00 – 11:30	Group photo Coffee/Tea Break	
11:30 – 11:45	GAGAN system	India AAI
11:45 – 12:00	MSAS and GBAS systems	Japan (JCAB? Raphael)
12:00 – 12:30	Q&A (of the morning session)	
12:30 – 13:30	Lunch Break	
13:30 – 14:00	KASS System	Korea Aerospace Research Institute, Republic of Korea (Raphael)
14:00 – 14:30	Beidou SBAS system	China (Raphael)
14:30 – 15:00	South-PAN system	Australia/ New Zealand (Raphael)
15:00 – 15:15	SBAS in Pakistan	Pakistan (Raphael)
15:15 - 15:45	Coffee/Tea Break	
15:45 – 16:00	GBAS in Australia	CASA/Airservices Australia (Raphael)
16:00 – 16:15	WAAS system	FAA USA (Raphael)
16:15 – 16:30	EGNOS system	ESSP Europe (Raphael)
16:30 – 17:00	Q&A of the Day (If any questions from the participants, All speakers)	



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Day 2 (15 Oct 2025) Session 2 – SBAS/GBAS Benefits for airspace users		
08:30-10:45	Industry visit	Arrival at GAGAN Complex for demonstration of GAGAN Reference Station, Uplink Station & Master Control Centre
10:45-11:00	Q&A on Industry Visit	
11:00-11:30	Coffee/Tea Break at GAGAN Complex Bengaluru	
11:30-13:00	Arrival at Workshop Venue	
13:00-13:45	Lunch Break	
13:45 – 14:00	SBAS/GBAS fleet readiness	Aircraft manufacturer (Raphael)
14:00 – 14:15		Aircraft manufacturer(Raphael)
14:15 – 14:30	SBAS/GBAS Experience and operational benefits	Indian Airline (AAI)
14:30 – 14:45	SBAS/GBAS Experience and operational benefits	Australian/Japanese/US/European Airline (Raphael)
14:45 – 15:00		Australian/Japanese/US/European Airline (Raphael)
15:00 - 15:30	Coffee/Tea Break	
15:30 – 15:45	SBAS/GBAS Experience and operational benefits	Australian/Japanese/US/European Airline (Raphael)
15:45 – 16:00		Australian/Japanese/US/European Airline (Raphael)
16:00 -16:15		By APAC State (Raphael)
16:15 – 16:30	SBAS/GBAS Experience and operational benefits	By APAC State (Raphael)
16:30 – 16:45		By other State (Raphael)
16:45 – 17:00		By other State (Raphael)
17:00 – 17:30	Q&A of the Day (If any questions from the participants, All speakers)	



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Day 3 (16 Oct 2025) Session 3 – SBAS/GBAS Implementation in APAC		
09:00 – 09:30	Procedure design of GBAS SBAS procedures	<i>Procedure Design Office of States (AAI)</i>
09:30 – 10:00	Flight validation process for SBAS GBAS procedures	<i>Flight Validation Entity (AAI)</i>
10:00 – 10:30	Proposal for SBAS/GBAS procedure design training in FPP	<i>Mr. Ying Liu, Manager, ICAO APAC Flight Procedure Program</i>
10:30 – 11:00	Coffee/Tea Break	
11:00 – 11:30	Safety Assessment for SBAS GBAS implementation	<i>State/ANSP AAI (Raphael)</i>
11:30 – 12:00	Training of Air Traffic Controller	<i>State/ANSP/IFATCAs (Raphael)</i>
12:00 – 12:30	Q&A session	
	Summary of the workshop	<i>Mr. Raphael Guillet, Chief, ICAO APAC RSO</i>
	Close of the Workshop	<i>Mr. Ms India</i>
12:30 – 13:30	Lunch Break	