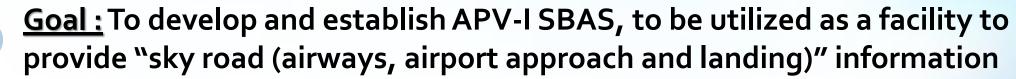
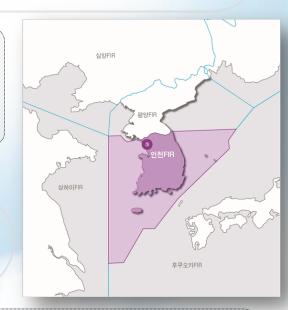


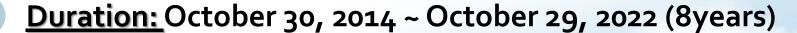
Goal and Duration of KASS Program





- Provide APV-I SoL Service in Airports of Korean Peninsula Area
- Start Open Service (Jul. 2020) and APV-I SoL Service (Oct. 2022)





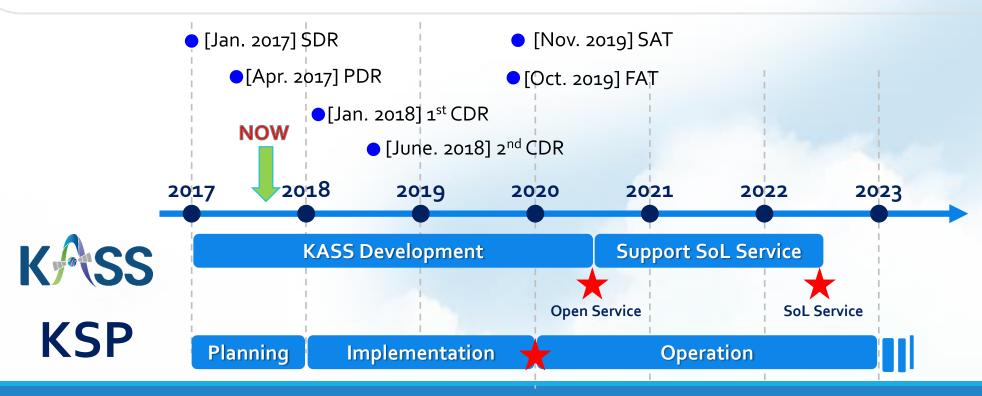
- Phase 1 (Oct. 2014-Feb. 2017): System Definition & Specifications
- Phase 2 (Mar. 2017-Dec. 2019): Critical Design, Implement, Integration, and Testing
- Phase 3 (Jan. 2020-Oct. 2022): Initial Operation and Certification



Road Map of KASS Program



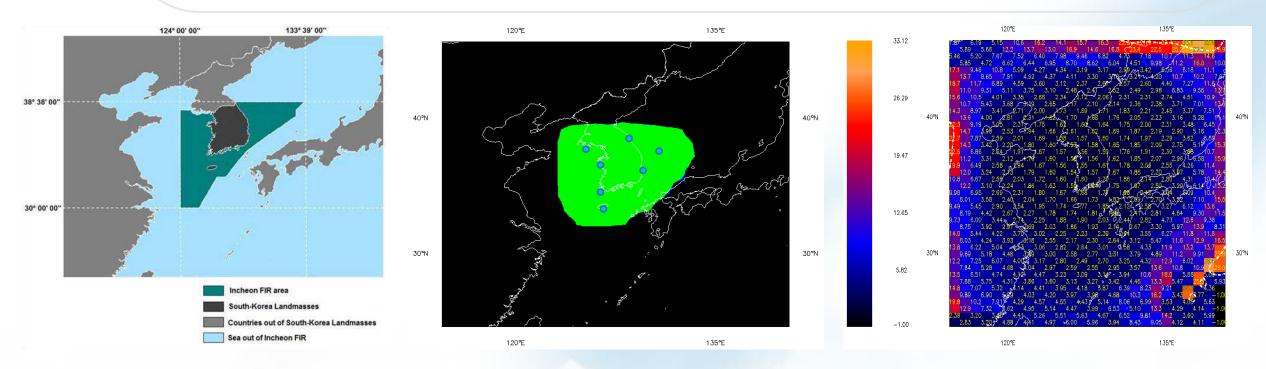
- KASS Program Office (KPO) performed PDR in April of 2017, now KPO is preparing 1st CDR for determining key parameter and interface
- KPO also is setting up the plan for KSP organizing and MOLIT will establish the KSP by 2019 and be in operation from 2020



Expected KASS Performance



Landmass area meets the APVI availability (XPL<XAL) more than 99% (Green area of the middle figure present the coverage of APV-I availability more than 99%)



KASS Service Area

Estimated APV-I Availability
Performance

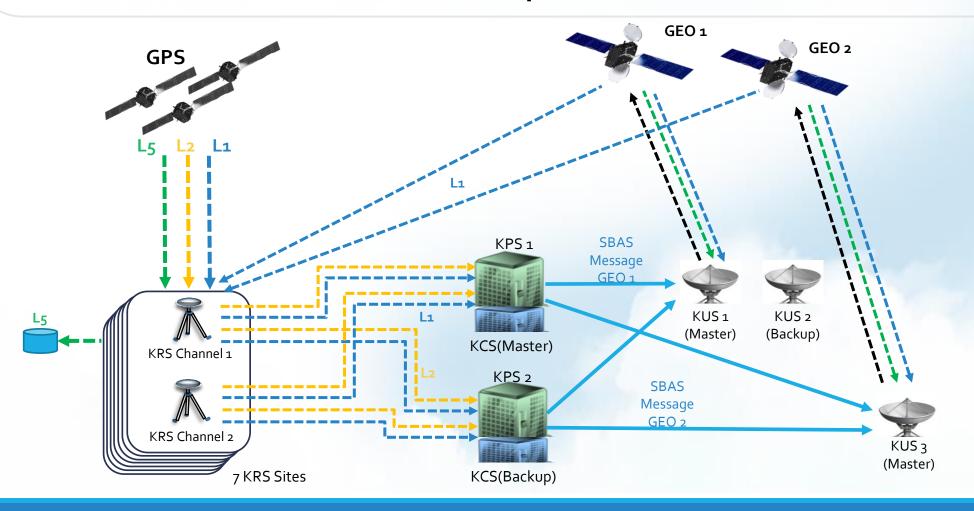
95% VNSE for the APVI service level



KASS System Architecture



KASS system will comprise the following segments obtained from different manufacturers or service providers





Site Preparation for KPS, KCS



The buildings are prepared for KPS, KCS at cheongju airport (Primary) and Incheon airport (Backup)



Site Survey Status for KUS



To find the sites for KUS, Sequential survey and analysis are under progress

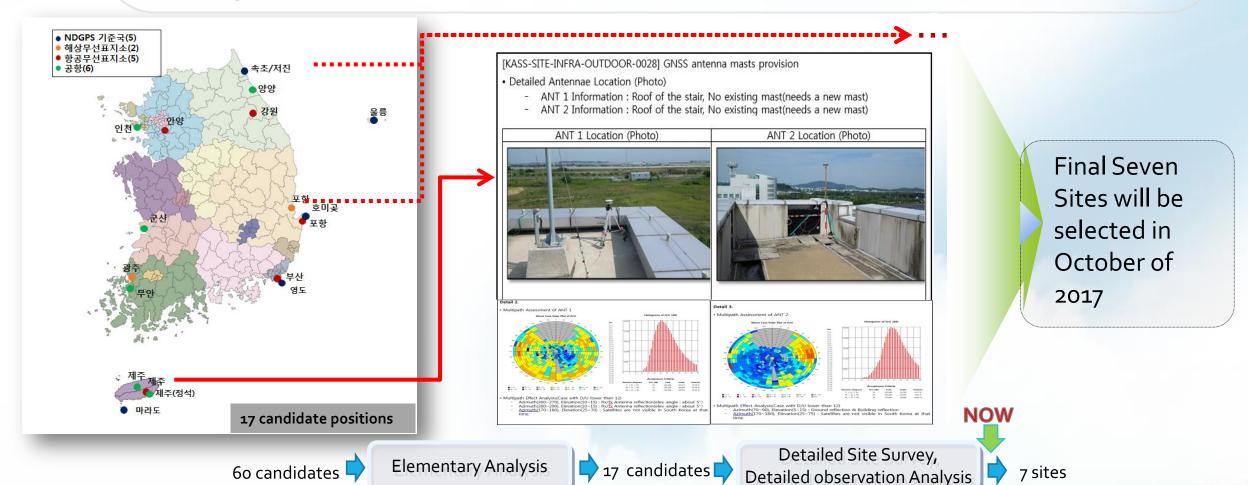


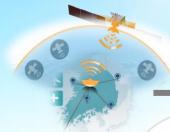
Final Two
Sites will be
selected by
end of 2017

Site Survey Status for KRS



To find the sites for KRS, Sequential survey and analysis are under progress





Near Future Plan



KPO will participate 4th ICAO NSP meeting to amend ICAO SARPs
(Annex 10, Volume 1, Appendix B, Table B-27) by specifying SBAS service provider identifiers of KASS in mid October of 2017.

KPO was submitted PRN assignment documents to the SMC and KASS filing documents to ITU in 2016. KPO will acquire the PRN from SMC with related activities.

After the open service of KASS will start the flight test will be performed to check the signal on the air. The procedures and the test equipment are developing for the flight test

