



**TRAINAIR
PLUS**

FULL MEMBER



Course
Information

Basic Knowledge of CNS System

Training Area:
Air Navigation Services

Purpose of the Course:

To provide the participants with basic knowledge of communication system, navigation system, surveillance system, elements of air traffic management, principle of electronic equipment, and standards referenced in ICAO Annex 10

Learning Objectives:

After successfully completing the course, the trainees will gain basic knowledge of the following;

1. Communication System
 - 1.1. Current communication system (VHF voice, HF voice)
 - 1.2. FANS system (VHF voice/data, SSR Mode S data link, AMSS data/voice)
2. Navigation System
 - 2.1. Current Air Navigation system (OMEGA/LORAN-C, NDB, VOR/DME, ILS, Barometric altitude and INS/IRS)
 - 2.2. FANS system (RNAV/RNP, GNSS, MLS, NDB, VOR/DME, Barometric altitude and INS/IRS)
3. Surveillance System
 - 3.1. Current system (Primary Radar, SSR Mode A/C, Voice position reports)
 - 3.2. FANS system (SSR Mode A/C, SSR Mode S, ADS)

Target Population:

- Operational-level or Management-level personnel in aviation who need to have a basic knowledge of the CNS system.
- Beginner-level engineers involved in air traffic jobs prior to taking the engineered-level CNS training course.

Duration: 1 week(s)	Delivery Mode: Classroom	Level: Basic Technical	Language of Instruction: English or Thai
Location: Bangkok	Tuition Fee: THB 17,500	Requirement: <ul style="list-style-type: none"> • Course: CNS Familiarization or • One years experienced working in the CNS field 	

Schedule of delivery and more information,

please visit: <https://itrain.catc.or.th>

or email: iTrain@catc.or.th

