

# Our standard courses offered in the UK

Below are our standard courses offered in the UK. Please note, however that we routinely develop and deliver bespoke training solutions to customers either at our facilities or at the customer's site to meet their every need. To find out more about how we can structure a training solution to serve your specific challenges, please contact us at: [tts@nats.co.uk](mailto:tts@nats.co.uk)

Course Ref	Course Title	Course Aims
0031	Introduction to NAVAIDS	To introduce delegates to a generic NAVAIDS system
0040	Practical Radar Technology	To train AIR TRAFFIC ENGINEERS in the principles of Primary and Secondary Radar and its uses in Air Traffic Operations
0042	Introduction to Radar Systems	To train delegates in the principles of Primary and Secondary Radar and its use in Air Traffic Operations
0090	IRVR	To train delegates to set up and maintain the AGIVIS RIVR system to the standard operating conditions laid down in applicable maintenance Schedule/s and to enable the diagnoses of faults to line replacement unit level.
0091	IRVR 2000	To train NATS Air Traffic Engineers to set up and maintain the AGIVIS RIVR 2000 system to the standard operating conditions laid down in the relevant NATS maintenance Schedule/s and to enable the diagnoses of faults to line replacement unit level.
0572	Fernau 2020 DME – Restoration (Depth B)	To train Air Traffic Engineers to restore to operational service and maintain the equipment to depth B rating
0573	Fernau 2020 DME – Practical	To train Air Traffic Control Engineers to perform in depth analysis of operational fault conditions
0820	Fernau DRDF	To train delegates to set up and maintain the FERNAU DRDF to the standard operating conditions as defined in the applicable maintenance specifications and to enable the diagnosis of faults to line replacement unit level.
1070	SRR 950 Maintenance	To train Air Traffic Engineers to set up and maintain the Cossor SSR 950 radar system to the standard operating conditions, to enable the diagnosis of faults to line replacement unit level and restore the system to full operation
1360	Secondary Monopulse Plot Extractor (SMPE)	To train Air Traffic Engineers to maintain serviceability of the SMPE equipment. This will be achieved with theory training in SMPE systems coupled with practical training designed to ensure the student is capable of maintaining the equipment in a serviceable state in an operational environment
1550	ILS THOMSON 381T	To train Air Traffic Engineers to set up and maintain the Thomson CSF 381T ILS system to the standard operating conditions and to enable the diagnosis of faults in the system of the level of Line Replaceable Units (LRU's)
1620	MONOPULSE SSR OVERVIEW	To introduce Air Traffic Engineers to monopulse Secondary Surveillance Radar The course is designed to be a stand alone module of benefit to staff employed in a supervisory role or on related systems The course is pre-requisite for those staff programmed to attend the courses SSR 950, TTR 1070 and the SMPE, TTR 1360

1640	RACAL DVOR MK 2A	To train Air Traffic Engineers in restoration and level A maintenance of the 3208 Racal DVOR MK 2A by fault diagnosis down to Line Replacement Units
1920	OJTI Techniques	To train personnel to give effective one to one on job-training sessions and debriefs in the working environment
1990	Plessey Watchman Radar System	To provide Engineering staff with the overall theoretical operation to the Plessey Watchman primary radar system
1991	Plessey Watchman System Overview	To provide Engineering staff with the overview of the Plessey Watchman primary radar system
2111	Air Ground Communications Systems Overview	To provide an overview of all elements within a generic AGA System
2255	Park Air Electronics UHF Transmitter – Type 1303	To provide Air Traffic Control Engineers with a knowledge and understanding of the PAE UHF Transmitter Type 1303 to enable them to carry out equipment restoration and planned maintenance
2256	ROHDE & SCHWARZ / AFL Radio Equipment	To provide Air Traffic Control Engineers with a knowledge and understanding of the Rohde & Schwarz Transmitter (SU 451B), Receiver (E 401B) and Aerial Facilities Ltd (AFL) 6 Way Combiner Cabinet, hence to acquire the practical skills necessary to undertake Tx and Rx setting-up and line testing
2260	RADIO COMMUNICATIONS IN PRACTICE	To provide delegates with an overview of techniques and principles in voice and data communications over radio
2501	ILS THOMSON 381T COMPETENT ASSESSMENT COURSE	To assess Air Traffic Engineers in their competence in meeting the requirements and procedures in maintaining the Thomson 381T Instrument Landing System
3030	HSA RADAR SYSTEM OVERVIEW	To provide Air Traffic Engineers with a description of what constitutes an HSA long range radar station. What are the requirements of such a radar station and the equipment chosen will be covered. The course depth is restricted to the function of each equipment. The Course is aimed at: Any engineer who is going to study any HSA related equipment in detail e.g. HSA 23cm RADAR – TRANSMITTER RECEIVER HSA 23cm RADAR – VIDEO PROCESSING Any engineer requiring system level understanding
3133	BARCO ISIS Display – Maintenance (TEAM B)	To train Air Traffic Engineers in the maintenance and restoration of the BARCO ISIS display and remedy faults down to line replacement unit (LRU) level to the requirements appropriate to Depth B rating
3230	Presentation Skills	To provide staff with a comprehensive introduction to the techniques employed in delivering effective Presentations.
4000	HARMER & SIMMONS “ER” SERIES BATTERY CHARGER	To provide Engineers with knowledge and understanding of the Harmer & Simmons ER series of Chargers
4002	HARMER & SIMMONS “SM1800” SERIES NO BREAK SUPPLIES	To enable Engineers to conduct the relevant maintenance operations by providing them with knowledge and understanding of the Harmer & Simmons NBS. This is a Depth B course
4230	AIX 3.2.5 User Course	To train students to perform basic tasks using AIX 3.2.5 operating system and its utilities
4232	AIX 3.2.5 Shell Programming & Utilities	To train the students to create and use AIX 3.2.5 scripts and utilities to assist with system administration tasks
4238	Linux & Unix Fundamentals	To describe and practice navigation through the use of Linux and Unix standard filing systems; open text and make simple modifications
4420	Data Communications Concepts & Practice	To introduce delegates to the concepts and practical considerations associated with networks

4421	Introduction to Data Communications	To introduce Engineers to the principles of data communications and networks.
4422	Introduction to Local Area Networks	To introduce Engineers to the principles and techniques employed in Local Area Networks.
4423	Introduction to Wide Area Networks	To introduce Engineers to the principles and techniques employed in Wide Area Networks.
4424	Cisco IOS Introduction	To introduce engineers in System Support, test or design environments to Cisco IOS-based switches.
4427	Puma 4300 Datacom & Telecom Analyser	To provide A Engineers with training in the practical application of the Puma 4300 Datacom & Telecom analyser
4471	Newbridge MUX 3630	To enable Engineers to operate and maintain the 3630 MUX in operational service
4500	NDB (SA50)	To train Engineers to carry out preventative and corrective maintenance on the NDB (SA50) Non Directional Beacon and Southern Avionics Antenna Coupler
4501	NDB SA100	To Train Engineers to carry out preventative and corrective maintenance on the SA100 Non-Directional Beacon and the Southern Avionics Antenna Coupler.
4520	ILS Park Air Systems NM7000A Depth B	To train delegates to Depth B engineering level as required by applicable maintenance specifications. Park Air Systems NM7013A (Two frequency Localiser variant A) will be used for training. Note: "variant A" equipment is the original range of equipment fitted at NATS
4521	ILS Park Air Systems NM7000A Depth A	To train delegates to TEAM A engineering level as required by applicable maintenance specifications.
4522	ILS Normarc 7000 COMPETENCY ASSESSMENT COURSE TEAM B	To assess Engineers in their competence in meeting the requirements and procedures appropriate to Depth rating B. The equipment used for training will be the Normarc NM7013A (2 freq localiser) and the Normarc NM7033B (2 freq glidepath)
4523	ILS Park Air Systems NM7000A/B Refresher	To refresh Engineers Park Air Systems ILS training; based on their previous Based B restoration course. The delegate will specify which topics they wish to revise (chosen from the objectives below)
4524	ILS Normarc 7000B Team B	To train Engineers to DepthM B engineering level. A Normarc NM7033B (Two frequency Glide Path variant B) will be used for training.
4525	Normarc ILS Variant A to Variant B crossover TEAM B	To train Engineers with Normarc ILS Variant A experience only to carry out maintenance and restoration of Normarc ILS Variant B equipment to Depth B level
4526	ILS Park Air Systems NM7000B TEAM A	To train Engineers to Depth A engineering level
4527	ILS System Requirements	-
4570	MARCONI COMMUNICATIONS SERVICE MONITOR 2945A	To provide Engineers with training in the practical application of the Marconi Communications Service Monitor
4572	ANRITSU 'SITE MASTER' User	To train Engineers to set up and use the Anritsu 'Site Master' aerial/feeder test set in order to verify the standard operating conditions laid down in the relevant Maintenance Schedule/s and to enable the diagnosis of the range of faults associated with VHF, UHF aerials/feeders and inter-site microwave link dishes and associated waveguide
4900	MODE S PRINCIPLES	To provide an introduction to the principles and concepts of operation of SSE Mode S
6400	ATC Familiarisation	To provide non-ATC participants with a basic understanding of the roles and workings of Air Traffic Control