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Digital Core Network Switching Principles (CCS7)

Course Code	DCNS
Pre-requisites	PCM and/or Transmission Principles Advanced
Module Description	Introduction of some specific GSM functional network elements. These functional entities can be implemented in different equipment or integrated. It is necessary to transfer information between these entities in the PLMN in order to deal with the specific procedure e.g. roaming of Mobile Stations. The Signalling System No. 7 specified by ITU-T is used to transfer this information.
Target Audience	Operational and planning staff in the switching and radio domain.
Objectives	<p>After successfully completing the course the student will:</p> <ul style="list-style-type: none"> ○ Understand the Inter-working Function (IWF) as a functional entity associated with the various network elements. ○ Understand the functionality necessary to allow inter-working between a PLMN and the PSTN (ISDN, PSTN, NGN and PDNs) network elements.
Contents	<ol style="list-style-type: none"> 1. Message Transfer Part (MTP) 2. Signalling Connection Control Part (SCCP) 3. ISDN USER PART (ISUP) 4. Transaction Capabilities Application Part (TCAP) 5. Intelligent Network Application Part (INAP) 6. Mobile Application Part (MAP)
Next Module	New Technology
Capacity	Maximum: 16 students Minimum: 8 students
Duration	4 Days (Option to extend to 5 days)

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