

ITRAINONLINE MMTK

Trainers' notes: Wireless Standards

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Based on the original work of: Bruno Roger

Introduction	In introduction to standards in general and IEEE 802.11 in specific. The unit tries to give an overview of the IEEE 802.11 family of standards and describe the technical characteristics that differ among the amendments. The unit is at Medium level with some Advances sections.
Timing/duration	1,5 hours
Content outline and main topics covered	Standards (what and why?) (10 min) Open and Proprietary Standards (10 min) IEEE and its working groups (< 5 min) IEEE 802 LAN/MAN (5 min) IEEE 802.11 (Wireless LAN) (5 min) Wireless LAN Characteristics (30 min) IEEE 802.11 Amendments (b/a/g etc.) (15 min) IEEE 802.11 vs IEEE 802.16 (30 min)
Target audience	<GENERAL DESCRIPTION OF THE GROUP AT WHICH THE UNIT IS AIMED, E.G. "GENERAL", "COMMUNITY MEDIA PRACTITIONERS" ETC.>
Prerequisite skills/knowledge	Basic knowledge in radio physics, OSI model...
Unit objectives/expected outcomes	<WHAT PARTICIPANTS SHOULD BE ABLE TO DO/KNOW AFTER COMPLETING THE UNIT, E.G. "UNDERSTAND BASIC SEARCH PRINCIPLES," "INSTALL LINUX".>
Pre-workshop activities	<ANYTHING THE TRAINEES NEED TO DO BEFORE THE UNIT, E.G. "COMPLETE THE SKILLS ASSESSMENT QUESTIONNAIRE", "READ THE ITRAIN "COMPUTER HANDBOOK".>
Notes on using exercises	No exercises exist.
Resources included with unit	Handout Slides Additional Resources
Additional trainer resources	<RESOURCES, IF RELEVANT, THAT THE TRAINER COULD CONSULT TO SUPPORT THE DELIVERY OF THE CONTENT/USE TO DEVELOP HANDOUTS ETC. THESE SHOULD BE RESOURCES FOR TRAINERS, RATHER THAN FOR TRAINEES, WHICH ARE NOT INCLUDED IN THE LIST OF ADDITIONAL RESOURCES.>
Equipment needed	No equipment needed

Comments	The unit should be given after Basic Radio Physics.
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