

MULTIMEDIA TRAINING KIT

Trainers' notes: Communication Tower

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Introduction	The unit provides a general guide for establishment of communication tower and masts. It is practically oriented and presents each step of the process in chronological order.
Timing/duration	Circa 2 hours
Content outline and main topics covered	Types of Tower (5min) How to choose a tower type (5 min) The Base (30 min) (Digging hole, re-bar cage, concrete, hydration etc) Assembling of tower (20 min) (Pre-assembly, inspection, gin pole vs crane) Guy Cables (30 min) (pre-load, termination, tension, plumb, temporary guys) Climbing (10 min) Lightening protection (10 min) Corrosion (10 min)
Target audience	Anyone that wants to build a small tower/tall or procure a high tower/mast.
Prerequisite skills/knowledge	No prerequisites are needed.
Unit objectives/expected outcomes	<ul style="list-style-type: none">• - To understand the basic process of erecting tower/masts from start to finish• - To gain useful knowledge for decision making in terms of types of towers/masts, tools, time planning etc.• - To be aware of the greatest risks involved in erecting towers/masts
Pre-workshop activities	None

Notes on using exercises	No exercises included.
Resources included with unit	This unit comes with <ul style="list-style-type: none"> - Handout - Slides - Additional Resources
Additional trainer resources	See Additional Resources under " <i>Full implementation guide</i> ".
Equipment needed	Not applicable. If possible, equipment for guying (guy wire, thimbles, turnbuckles, guy wire tension gauge) and climbing (harness, ropes) could be demonstrated.
Comments	