

# Voice over IP system in SHIRBRIG

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In April 2008 SHIRBRIG implemented a Cisco Voice over IP (VoIP) telephone system in their PLANELM facilities on Høvelte Barracks. VoIP is also commonly known as Internet phone (like Skype, Windows Messenger etc.).

The system, provided by IBM Denmark, is designed to carry all internal calls over the Data network.

SHIRBRIG is using Nokia E61 and E65 Cellular phones which are able to carry both normal GSM calls and VoIP calls. The Cellular phones are provided with GSM services from the Danish Company SONOFON who has a good overall coverage.

Desk phones (VoIP) and Wireless phones are also being used in the system. The advantage of using this system is that all calls are being routed to landlines, making it possible to use the cell phone to make landline calls, which has a lower cost than a GSM based call.

Furthermore SHIRBRIG has purchased an additional Router which makes it possible to make local calls (to Danish Landline Rate) from a remote site when deployed or on exercise outside Denmark. This will significantly lower the cost of calls being done as the call will be routed over the Internet to PLANELM in Denmark and then routed to a landline.

Another advantage is that Staff member will have only one phone in his/her office, which is able to handle all calls, both GSM and landline calls.

Internally every phone will have a 3 digit extension number. The user will only have to dial this extension number to reach another Staff Member. As the call is running over the Data Network, the cost is as low as zero.

**Pictures of the equipment:**



**Cisco Deskphone 7961G with expansion Module 7914**



**Cisco Wireless Phone 7921**



**Cisco VoIP Gateway/Router 3845**



**Nokia E61i and E65 Cellular Phone with ICC Cisco software installed**