

REPLACING AN IS2000 TELEPHONE WITH A VOICCOM PHONE

Summary	
News Type	Engineering Note
Purpose	To detail the process of replacing an IS2000 Telephone with a VoiceCom Phone.
Product Range	IS2000 Telephones & VoiceCom Phones
Target Audience	Electrical Engineering Managers of Sites with Group I IS2000 Telephone Installations
Date of Issue	6 th July 2015

OVERVIEW

This document will cover the actions that are required to safely install a VoiceCom Phone as a replacement for an IS2000 Telephone in an existing I.S. telephone system.

The factors that need to be considered when making this replacement are: the item number of the VoiceCom Phone that corresponds to the existing IS2000 Telephone installation, an I.S. parameter comparison and the Party Line connection requirements.

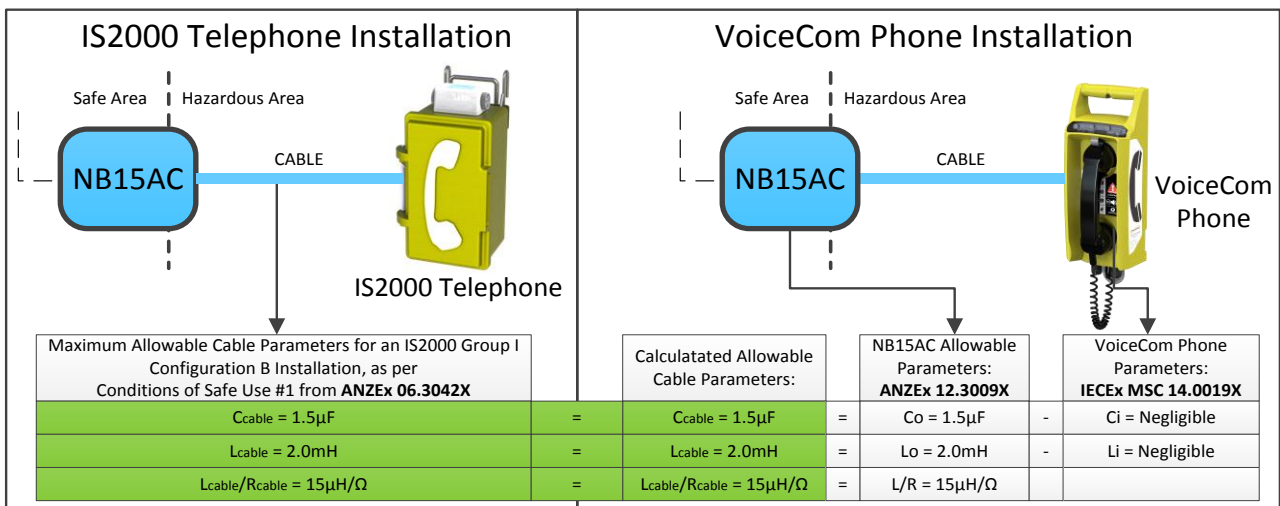
EQUIVALENT VOICCOM PHONE ITEM NUMBERS

The equivalent item numbers for the migration from the IS2000 Telephone range to the VoiceCom Phone range are as follows:

IS2000 Telephone System		VoiceCom Phone System	
Item Number	Description	Item Number	Description
159133	TELEPHONE IS 2000 H AVA	169890	TELEPHONE VCOM
159134	TELEPHONE IS 2000 H AVA PTT	169893	TELEPHONE VCOM PTT
159135	TELEPHONE IS 2000 D AVA	169890	TELEPHONE VCOM
159136	TELEPHONE IS 2000 D AVA PTT	169893	TELEPHONE VCOM PTT

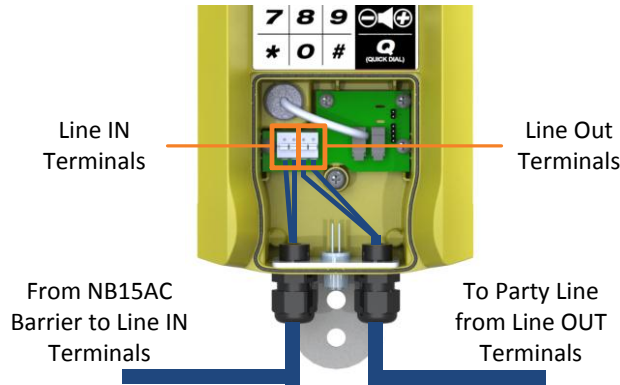
I.S. PARAMETER COMPARISON

The system assessment for a VoiceCom Phone is directly equivalent to that of the IS2000 Telephone. Cable parameters for an IS2000 Telephone are taken directly from Condition of Safe Use #1 in ANZEx 06.3024X. They are equal to the parameters calculated under an entity assessment between the VoiceCom Phone (IECEX 14.0019X) and the NB15AC barrier (ANZEx 12.3009X). **An IS2000 Telephone may be substituted with a VoiceCom Phone with no impact on the system assessment.**



PARTY LINE CONNECTIONS

Both the VoiceCom Phone and the IS2000 Telephone allow multiple phones to be connected in parallel in what is called a “Party Line” configuration. The ‘Line OUT’ terminals of these telephones are simply a parallel connection to the ‘Line IN’ terminals. A “Party Line” connection is made by wiring the ‘Line IN’ terminals of a telephone to the ‘Line OUT’ terminals of another telephone. This configuration allows a phone call to be answered in multiple locations.



Although the VoiceCom Phone can be directly installed in place of an IS2000 Telephone, it is important to note that the IS2000 Telephone and the VoiceCom Phone are not compatible when installed in the same party line configuration. That is a **VoiceCom Phone cannot be on a party line with an IS2000 Telephone.**

A maximum of 3 VoiceCom phones should share a party line. Actual performance of these party-line-connected phones will depend on the connecting cable type overall, length of the connecting cables, quality of connections in junction boxes and the number of connected phones.

IS THERE A REQUIREMENT TO UPDATE THE I.S. ASSESSMENT?

The I.S. parameters of the VoiceCom Phone are directly equivalent to the I.S. parameters of the IS2000 Telephone. Due to this, **Ampcontrol does not see a requirement for the telephone system’s I.S. assessment to be updated** when making this upgrade.

This is **provided that the Electrical Engineering Manager of the site is confident that the current I.S. assessment accurately depicts the installed telephone system.**

The decision to review the I.S assessment is at the discretion of the site Electrical Engineering Manager.

RESPONSIBLE PARTIES

Electrical Engineering Managers of sites with IS2000 Telephone installations are responsible for ensuring that the conditions of use for the VoiceCom Phone are adhered to when making the replacement.

The VoiceCom Telephone User Manual and IECEx MSC 14.0019X Certificate should be referenced for a complete list of installation requirements.

POTENTIAL RISKS

If the Electrical Engineering Manager of the site is uncertain whether the existing IS2000 Telephone System I.S. parameter audit is current and reflects what is installed, then Ampcontrol recommends that a new I.S. assessment be undertaken.

IS2000 Telephones are not to be connected in the same party line as VoiceCom Phones.

FIND OUT MORE

For more information on this product, contact Ampcontrol Customer Service on +61 1300 267 373 or customerservice@ampcontrolgroup.com or visit the Ampcontrol website: www.ampcontrolgroup.com

DISCLAIMER

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