

NEW EQUIPMENT AND SYSTEM APPROVAL CERTIFICATE

Certificate No.	NESA-S040	Version No: 1.1
------------------------	------------------	------------------------

Approval date	04 August 2023
Approved by	Head of Engineering Standards

This certificate is issued to

Supplier	Telstra Pty Ltd Satellite Service Business Operations 14 Derby St, Silverwater 2128 New South Wales. Australia
-----------------	---

In respect of

Manufacturer	Telstra Pty Ltd
Product description	Telstra Iterra IP Satellite System
Item identification	Refer to Approved Item List in Table 1
Application	ARTC Network Wide
Relevant Standards	SPS 02 Environmental Conditions SPS 05 Electrical & Electronic Components (Ratings & Construction Requirements) ARTC Enterprise Services Test Report and system configuration Telstra Iterra IP Satellite Site Owners Information Pack AS/NZS 1170.2.2011 Structural design actions – Wind actions ARPANSA RPS3 Maximum Exposure Levels to Radio Frequency Fields 3 kHz - 300 GHz

Conditions for Type Approval

- a) Site installation, maintenance, fault finding, and repair of the system shall only be carried out by Telstra staff who are suitably trained and authorized personnel.
- b) There are no field serviceable components within the satellite units, any failed units shall be replaced by Telstra authorised personnel only. Satellite system components shall only be repaired and overhauled by Telstra certified workshops.
- c) Appropriate warning signage shall be installed to ensure staff, operators and the public are aware of the areas near the satellite dish antenna where access shall be restricted. Where necessary, access restrictions such as fencing and barriers will be installed. The signage shall be installed at the time of installation of the dish and equipment.

NEW EQUIPMENT AND SYSTEM APPROVAL CERTIFICATE

- d) Telstra shall provide details of the training courses available for ARTC communications technicians in accordance with EST-21-01. ARTC shall undertake an assessment as to whether ARTC staff will be trained and accredited to carry out work on the Iterra system including antennas. This will include a WHS assessment of whether ARTC staff will work in the hazardous EME zone.
- e) To be installed as per manufacturer's requirements and as per applicable ARTC standards for lightning protection
- f) Designer to ensure the availability of the approved items from the manufacturer/supplier before commencing the design.
- g) Designer to calculate the voltage drop across the cable run to ensure the voltage at the modem is 22.8v DC.

A general condition of approval is that the supplier remains accredited to ISO 9001 specifically for these products and ARTC is advised on a 12 monthly basis that accreditation is current. ARTC reserves the right to conduct its own audit of the manufacture and supply of these components to AS 19011.

Any subsequent change to the design, materials or manufacturing process is not covered by this approval. The manufacturer should notify ARTC of any modification or changes in order to obtain a valid certificate

Note/Comments NIL.

Issue date 04/08/2023

Expiry date N/A

Issued by

Manager Signalling Standards - ARTC

NEW EQUIPMENT AND SYSTEM APPROVAL CERTIFICATE

Table 1 - Approved Item List – Telstra Iterra IP Satellite System

Item	Part Number	Version	Comment
Agilis ASM1200 Series Outdoor Satellite Modem	IM029603xx	Rev A	NA
1.2m Satellite Dish Antenna	1132 Series	NA	NA
Block Uplink Converter BUC – Ku band 3W	E0001100-0001	N/A	NA
Frequency Converter - PLL LNB – Ku band	E0001110-0001	N/A	NA
AC-DC Outdoor Power Module-90-264VAC 187W	APSVAC24-185	N/A	
DC-DC Outdoor Power Module 36-76VDC 65W	E0002036-0001	N/A	iDirect X1 Series
DC-DC Outdoor Power Module 12-36VDC 65W	E0002035-0001	N/A	iDirect X1 Series