

XP4 Identification Management

ESI-03-11

Applicability

ARTC Network Wide SMS

Publication Requirement

Internal / External

Primary Source

None – all new

Document Status

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1.0	17 Jan 19	Standards	Stakeholders	Manager Standards	General Manager Technical Standards 22/01/2019

Amendment Record

Amendment Version #	Date Reviewed	Clause	Description of Amendment
1.0	17 Jan 19	-	New Engineering Instruction.

Main Points

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- Chassis ID Number, Application ID Number and Location Number to be allocated by ARTC Signal Standards Division.
 - Only use Application ID Number for North South Corridor between 2001-2999.
 - Only use Application ID Number for East West Corridor between 3001-3999.
 - Only use Application ID Number for Hunter Valley Corridor between 4001-4999.
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1. Scope

This Instruction defines the processes for allocating ElectroLogIXS XP4 Chassis ID, Application ID and Location numbers. The combination of the *Chassis ID* and the *Application ID* must be unique to each location.

2. Background

XP4 addresses are managed from a centralised database for all jurisdictions to ensure that there are no overlaps between locations.

3. Identification Rules

There are a number of Rules associated with the allocation of XP4 Addresses.

Each address comprises of a 'Chassis ID' and an 'Application ID' number.

1. Chassis ID to be allocated as '255' for all ARTC jurisdictions.
2. Application ID blocks to be allocated based on predetermined geographical areas; as per XP4 Master ID Register. Application IDs to be sequentially allocated as defined below:
 - a. Application ID Number for North South Corridor to be allocated between 2001-2999
 - b. Application ID Number for East West Corridor to be allocated between 3001-3999
 - c. Application ID Number for Hunter Valley Corridor to be allocated between 4001-4999
3. No spare Application ID numbers shall to be issued to the Requestor.
4. The Location Number is a four (4) digit number derived from the kilometrage of the XP4 installation. *For example: 136.425 km will have a Location Number '1364'.*
5. Record the required information in the database and show the:
 - a. Corridor Jurisdiction
 - b. Job Number
 - c. Project Name
 - d. Commissioning Date (Proposed)
 - e. Location (Area/ Interlocking)
 - f. Location (Road Name)
 - g. Location (km)
 - h. Circuit book number
 - i. Requestor details
 - j. within the remarks column detail any specific comments/ notes.

4. XP4 Identification Records

The XP4 Master Identification Register records all allocated and in-service Identification Numbers.

5. Action Steps

There are a number of Action Steps associated with the allocation of XP4 Identification Numbers (see attached flowchart).

1. The Requestor submits an email with the signed *Request for XP4 IDs Form* **ESI0311F-01**
2. This is saved in the nominated request folder: '*XP4 ID Form Requests*'
3. The nominated ARTC representative shall check:
 - a. that the requestor has signals competency; and
 - b. all information has been provided on the form.
4. The nominated ARTC representative updates the **XP4 Master ID Register** with the new allocation.
5. The nominated ARTC representative details the *Chassis ID Number*, *Application ID Number* and *Location Number* onto the form and authorises **ESI0311F-01**.
6. **ESI0311F-01** form is scanned and saved in the folder: '*XP4 ID Form Authorised*'
7. **ESI0311F-01** form is sent to the Requestor.

6. Process Flow Diagram

XP4 ADDRESS/ ID MANAGEMENT

