

Data Classification – Signal Systems

AMT-WI-022

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SMS

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1 Introduction

1.1 Purpose

The purpose of this work instruction is to provide a set of rules for describing signalling system assets, in the Asset Management System. This includes communication assets associated with the signalling system. Ellipse is the current ARTC Asset Management System.

1.2 Scope

This work instruction covers the signalling system asset data requirements for the following aspects of Ellipse:

- Equipment Register
- MST input

The rules stated in this document shall be adhered to when entering or managing signal system equipment data within Ellipse.

1.3 Document Owner

The Manager Asset Management Systems is the document owner and the initial point of contact for all queries relating to this work instruction.

The document owner shall be responsible for approving any changes to the framework used to describe (or work with) signals assets in Ellipse, as described in this document. Any approved changes shall be reflected in this document before the change is implemented in Ellipse.

1.4 Relevant Procedures

This work instruction supports the following ARTC Standards and Procedures:

- ESW-26-01 Signals Service Schedules / Standard Jobs
- ESM-26-02 Signal Technical Maintenance Plan (TMP)
- AMT-PR-010 Enterprise Asset Management System
- AMT-WI-020 Data Classification - Universal

1.5 Responsibilities

The Managers responsible for the signal routine maintenance functions within the Interstate and Hunter Valley Business Units are responsible for implementing this work instruction.

The Signal Asset Manager (Interstate Network) and Signal Engineering Manager (Hunter Valley) are responsible for the maintenance of this work instruction.

1.6 Reference Documents

The following documents support this procedure:

- Equipment Register – Updating and Maintenance EGP-03-02

1.7 Definitions

The following terms and acronyms are used within this document.

Term or Acronym	Description
ARTC	Australian Rail Track Corporation Ltd.
Attribute	Single component of an assets record. Similar to a database field.
Controlled Attribute	An attribute that can only contain limited data types, i.e. from a list
Equipment Record	Record of assets generic data attributes. Located in MSE600.
Inspection Script	A computer script within the mobility application that defines and guides the user through the inspection tasks. Note: not currently available.
Responsible Manager	ARTC personnel with designated responsibility for management of the (signals) asset. Typically the Signals Asset Manager.
SPN	Structured Plant Number (also known as Plant Number).
TMP	Technical Maintenance Plan.
Uncontrolled Attribute	An attribute that can hold any data (subject to character limit).
[MSE010]	Search Table.
[MSE600]	Equipment Register.
[MSE541]	Work Requests.
[MSEWLA]	Attributes Link.
[MSEWDA]	Alarms and Defects.
[MSWWOT]	Work Order.
[MSEWJO]	Jobs.

Table 1: Definitions

1.7.1 A Note on Nomenclature

The term ‘system’ is used in a number of different contexts in this document. Ellipse is referred to as the Asset Management System. This is distinct from an Asset Management System as defined by ARTC’s standards and procedures. From a technical standards perspective, Ellipse is a tool for the implementation of the ‘system’ as defined by ARTC standards and procedures.

Information enclosed in square parenthesis, i.e. [MSE600], is Ellipse specific and relates to the core modules that provide functionality. These modules can be accessed in Ellipse by entering the contained code in the quick launch box in the top right hand corner, as shown in Figure 1 below).

2 Equipment Register

The Equipment Register [MSE600] is the primary repository of asset data in Ellipse. The data stored in this module drives the functionality of the other modules in Ellipse.

Only attributes that are currently in use for signals assets will be detailed in this work instruction.

Users shall adhere to the universal equipment guide as described in AMT-WI-020. Additional requirements specific to Signals are provided in the following clauses.

2.1 Equipment Number

The Equipment Number is a controlled attribute. It contains a 12-digit number that is the unique identifier for equipment in Ellipse. An example of a valid Equipment Number would be '000000038276'.

It should be noted that whilst the Equipment Number and SPN (refer to section on SPN) can often be used interchangeably to identify a specific asset, it is theoretically possible for two assets to share the same SPN - i.e. when equipment is disposed of and replaced on a like for like basis. Only the Equipment Number is unique.

The equipment number is provided by the system administrator.

2.2 Structured Plant Number

The ARTC Structured Plant Number (Also known as the SPN) is the non-unique identifier for an equipment record. The SPN is a controlled value attribute that is derived from the data stored in up to 6 'plant segments'. When using Excel the SPN is located or entered under the column title "**Equipment Ref**"

When an equipment records Equipment Class is changed, new SPN data must also be supplied.

All Signals Equipment Classes shall use the following SPN format using 5 plant segments, which shall be derived as follows:

Order	Field	Size	Mandatory	Validation
1	Corridor	3	Y	Y
2	Base Code	5	Y	Y
3	KM	8	Y	Y
4	Function (Class)	2	Y	Y
5	Equipment Name	10	Y	Y

Examples of a valid SPN would be S00100440147.955SG15G made up of the following segments:

Segment		
1	S00	South Corridor – (Sydney to Craigieburn)
2	10044	Goulburn
3	0147.955	Discrete Kilometrage
4	SG	Equipment or Asset Class e.g. SG - Signal
5	15G	Identifier (Equipment Name)

2.3 Equipment Description 1 and 2 or Item Name 1 and 2

The Description is an uncontrolled attribute. It comprises two lines of free text, located above the tabbed sub-frames in the equipment record. The purpose of the Description is to provide an easy visual indication of what the asset is. The Description is a searchable attribute in the equipment record that may be used to define a search in conjunction with any other searchable attributes in the 'Primary Search' or 'Advanced Search' tabs. It is recommended that the description attribute be used to reference any data not contained in these attributes for ease of

asset identification. Equipment Description and Item Name specifications for each Equipment Class and/or Equipment Group Identifier (EGI) are listed in detail in Appendix A.

2.4 Equipment Status

The Equipment Status is a controlled attribute. It contains a 2 character alpha code. The Status is used (in conjunction with the equipment hierarchy attributes) to determine the appropriate inspection schedule for an asset. All equipment with status “IS – In Service” must have active MSTs as per ESM-26-02 Signals Technical Maintenance Plan unless in a “Site” hierarchy configuration. The Site equipment holds the active MST and the equipment within the site do not.

The Area Manager will be responsible for ensuring that the correct Equipment Status is assigned to all Signal assets in order to allow accurate compliance reporting.

The different status options, status descriptions and objectives can be found in the Universal data classification AMT-WI-020 as they are relevant to all disciplines.

2.5 Location Code

The Location field is a full application to help further manage an address or Location that may require a street address, access or contact details. This is not a mandatory field but may have some use for problem locations that need more than a general location description.

The general location is captured under the Equipment Location 2.15.

2.6 District Code & District Code Description

There is currently only one district code:

0001 - AUSTRALIAN RAIL TRACK CORPORATION LTD.

2.7 Productive Unit SPN (Parent)

The Productive Unit is a controlled attribute. It contains a 6 character code. The PU specifies the parent-child relationship of the asset within the organisations hierarchy. Utilising the Productive Unit functionality allows the construction of a hierarchy of equipment into reportable groups which then allows reporting processes based on these structures.

The parent or productive unit as an example will be the SITE equipment. SITE equipment is Class SI and EGI is :-

- SI0010 - Signal Site
- SI0020 - Level Crossing Monitored Site
- SI0030 - Level Crossing Non Monitored Site
- SI0040 - Turnout Site
- SI0050 - Communication Site

Each piece of equipment needs to reference the Parent equipment via the Productive unit. The Productive Unit is the equipment reference for parent equipment e.g. SITE equipment reference number.

For most assets, the line segment asset reference is the productive unit. SITE equipment also use the line segment asset reference as the productive unit.

2.8 Equipment Class (EC)

The Equipment Class (EC) is a controlled attribute. It contains a 2 character alpha code. The EC is the highest level of the hierarchy used to organise Signal assets in Ellipse.

The Equipment Class is directly related to the SPN (refer to section on SPN). A user cannot alter the Equipment Class without providing a new SPN number. Similarly, the SPN Function plant segment cannot be altered without providing a new Equipment Class (or confirming the existing Equipment Class value).

The hierarchy is as follows:

- Equipment Class (EC) (e.g. Train Detection)
 - Equipment Group Identifier (EGI) (e.g. DC)

EQUIPMENT CLASS	EQUIPMENT DESCRIPTION
CS	CONTROL SYSTEM
TM	TELEMETRY
LX	LEVEL CROSSING (SIGNAL)
SG	SIGNALS
IN	INTERLOCKING
PT	POINTS
TD	TRAIN DETECTION
TA	TRAIN AUTHORITY SYSTEMS
PO	POWER SUPPLY
CM	COMMUNICATIONS
LR	CABLE & LINE ROUTES
EN	ENCLOSURE
TB	TRAIN BORNE
EC	EQUIPMENT CALIBRATION
WS	WAYSIDE
RW	RIGHT OF WAY

Table 2: Equipment Class

Note 1: Obsolete Equipment (XX) exists as an Equipment Class in Ellipse for Signal equipment that has been replaced, removed etc. and shall retain their signals Equipment Group Identifier. These will be marked with the Status 'Disposed Of' (DI).

2.9 Equipment Group Identifier (EGI)

The EGI is a controlled attribute. It contains a 6 character alpha or numeric code. The first 2 letters are alpha and use the Class. The next characters use numerals. The EGI is the primary mechanism used by Ellipse to identify what type of asset is being described by an equipment record. The EGI provides a method to further group items of similar characteristics within an equipment class without creating distinct classes of their own e.g. Equipment Class "Train detection" contains EGIs for train Detection such as "DC", "HVI", "Frequency" etc.

It is essential for the correct assignment of nameplate attributes, defect entry, mobility work order generation and MST's that the EGI associated with an asset is accurate.

EC	EGI	Description
CS	CS0101	Control System Operator Local Panel
CS	CS0111	Control System Territory Phoenix
CS	CS0112	Control System Territory PTOS
CS	CS0113	Control System Territory TMACS
CS	CS0114	Control System Territory ATMS
CS	CS0121	Control Sys Equipment Mon 4Site
CS	CS0122	Control Sys Equipment Mon Points
CS	CS0123	Control Sys Equipment Mon WAM
CS	CS0124	Control Sys Equip Mon Maint. Terminal
TM	TM0201	Telemetry FDM
TM	TM0202	Telemetry iMAC
TM	TM0203	Telemetry Kingfisher
TM	TM0204	Telemetry Moscad
TM	TM0205	Telemetry ICAPs
TM	TM0206	Telemetry S2 TDM
LX	LX0301	Level Xing Mon RX5 Lights
LX	LX0302	Level Xing Mon RX5 Lights & Booms
LX	LX0303	Pedestrian Xing Mon RX12 Lights
LX	LX0304	Pedestrian Xing Mon RX12 Lights & Booms
LX	LX0305	Level Xing Mon Supplementary Lights
LX	LX0311	Level Xing Not Mon RX5 Lights
LX	LX0312	Level Xing Not Mon RX5 Lights & Booms
LX	LX0313	Pedestrian Xing Not Mon RX12 Lights
LX	LX0314	PedestrianXing Not Mon RX12 Lights & Booms
SG	SG0401	Signal Incandescent
SG	SG0402	Signal LED
SG	SG0411	Signals Mechanical Semaphore
SG	SG0421	Signals Noticeboard Signs
IN	IN0503	Int. Relay Miniature Plug in / Large Plug in
IN	IN0511	Int. CBI Microlok 2
IN	IN0512	Int. CBI HIMA
IN	IN0513	Int. CBI Westrace 1



IN	IN0514	Int. CBI Westrace 2
IN	IN0515	Int. CBI ElectrologIXS
IN	IN0516	Int. CBI Westlock
IN	IN0517	Int. CBI VHLC
IN	IN0518	Int. CBI EC4
IN	IN0519	Int. CBI EC5
IN	IN0521	Int. CBI VPI
IN	IN0522	Int. CBI HD Link
IN	IN0523	Int. CBI SSI
IN	IN0531	Int. Mech. Cam And Tappet Main Frame
IN	IN0532	Int. Mech. Ground Frame
IN	IN0533	Int. Mech. Rel.
PT	PT0601	Points Combined M Series
PT	PT0602	Points Combined HW Series
PT	PT0603	Points Combined KA Series
PT	PT0604	Points Combined M III Series
PT	PT0611	Points Derailer M Series
PT	PT0612	Points Derailer KA Series
PT	PT0613	Points Derailer 84M Series
PT	PT0621	Points Clamplock Hydraulic
PT	PT0622	Points Clamplock Vossloh Series
PT	PT0631	Points Clawlock 84M Series
PT	PT0632	Points Clawlock S700 Series
PT	PT0641	Points Spherolok 84M Series
PT	PT0642	Points Spherolok S700 Series
PT	PT0651	Points Mechanical
PT	PT0652	Points Mechanical Solar Hydra Series
PT	PT0653	Points Mechanical Derailer
PT	PT0654	Points Mechanical GRS
PT	PT0661	Points Releasing Switch
PT	PT0662	Points Releasing Switch Fortress
PT	PT0663	Points Switchlock Westinghouse
PT	PT0664	Points Switchlock Westinghouse HLM
PT	PT0665	Points Releasing PTOS Master Key Safe
PT	PT0671	Points Unistar



TD	TD0701	Train Detection DC Standard
TD	TD0702	Train Detection DC Shelf Type
TD	TD0703	Train Detection Westrack/TD4
TD	TD0711	Train Detection HVI
TD	TD0721	Train Detection AC
TD	TD0731	Train Detection Frequency CSEE
TD	TD0732	Train Detection Frequency ML TI21 Analog
TD	TD0733	Train Detection Frequency ML TI21 Digital
TD	TD0734	Train Detection Frequency PSO III
TD	TD0735	Train Detection Frequency PSO 4000
TD	TD0736	Train Detection Frequency SMTC
TD	TD0737	Train Detection Frequency IPITC
TD	TD0738	Train Detection Frequency AFTAC Model 2
TD	TD0739	Train Detection Frequency FS2500
TD	TD0741	Train Detection Axle Counter ACS2000
TD	TD0742	Train Detection Axle Counter FADC
TD	TD0751	Train Detection Treadles Mechanical
TD	TD0761	Train Detection Coded Microtrax
TD	TD0762	Train Detection Coded Electrode 4
TD	TD0763	Train Detection Coded Electrode 5
TD	TD0764	Train Detection Coded GEO
TD	TD0771	Train Det Predictor (Non Mon) GCP 3000
TD	TD0772	Train Detection Predictor GCP 3000
TD	TD0773	Train Det Predictor (Non Mon) GCP 4000
TD	TD0774	Train Detection Predictor GCP 4000
TD	TD0775	Train Detection Predictor HXP-3
TD	TD0776	Train Detection Predictor XP-4
TD	TD0781	Train Detection Guage Detector TURCK
TD	TD0791	Train Detection TPWS
TA	TA0801	TA Sys. Token Block Train Staff
PO	PO0901	Power Supply AC
PO	PO0902	Power Supply AC Transformed
PO	PO0911	Power Supply Motor Generator
PO	PO0921	Power Supply UPS
PO	PO0931	Power Supply DC Batt Backup LX no Mon

PO	PO0932	Power Supply DC Battery Backup
PO	PO0933	Power Supply DC Batt Backup LX Mon
PO	PO0934	Power Supply DC Rectified
PO	PO0941	Power Supply Solar System
PO	PO0951	Power Supply Wind Turbine
CM	CM1001	Comms Vital Radio
CM	CM1002	Comms Radio Satellite
CM	CM1003	Comms Non Vital Radio
CM	CM1021	Comms System
LR	LR1101	Signalling Cable
LR	LR1111	Cable Route
LR	LR1121	Aerial & Pole Route
LR	LR1122	Pole Inspection
EN	EN1201	Equipment Enclosures
TB	TB1301	Trainborne ATMS
EC	ECSG01	Signal Kit Test Instruments
EC	EC1502	Maintenance Gauges
WS	WS1601	WSI Slip Detector
WS	WS1602	WSI Rockfall Detector
WS	WS1603	WSI Weather Station
WS	WS1604	Stream Flow Detector
WS	WS1605	WSI Pump Station
WS	WS1606	WSI Camera
WS	WS1611	WSR Hot Box Detector (HBD) with DED
WS	WS1612	WSR Bearing Acoustic Monitor - (RailBAM)
WS	WS1613	WSR Dragging Equipment Detector (DED)
WS	WS1614	WSR Wheel Condition Monitor (WCM)
WS	WS1615	WSR Wheel Profile Monitor
WS	WS1616	WSR Wheel Noise Detector (Rail SQAD)
WS	WS1617	WSR Bogi Monitor (TBOGI)
WS	WS1618	WSR Weigh Bridge
WS	WS1619	WSR Height Detector
RW	RW0001	Engineer Inspection Signal Sighting Front of Rail Vehicle

Table 3: Equipment Group Identifier (EGI)

2.10 Asset Segment From / To

Asset Segment are used to capture KM information. For fixed assets, currently the Asset Segment From and To are set at a 10 metre length difference. Linear assets such as Aerials and cable routes can have the start and finish KMs entered. The lowest KM is entered into the From field. The start and finish of track circuits can also be entered into these fields.

2.11 Plant Segment 1 (Corridor)

For most assets Plant Code Level 1 or Segment 1 is a controlled attribute to describe the designated Corridor to which the asset belongs.

This field is the 3 character ANN code representing the corridor, e.g. S00= Main South (Sefton Jct to Albury), N51=North Coast (Telarah to Acacia Ridge), V02=VIC NE (Tottenham to NSW Border and W01 = SA Border to Kalgoorlie. The corridors in Ellipse are contained within the +COR Table Type in the MSE010 Table application.

2.12 Plant Segment 2 (Basecode)

For most assets Plant Code Level 2 or Segment 2 is a 5 character controlled attribute utilised to designate the basecode to which the asset belongs. The basecode denotes a continuous length of track, spanning between two physical nodes (e.g. turnouts points). The valid basecodes that appear in Ellipse shall be controlled by those described in the basecode database. The basecodes in Ellipse are contained within the +BAS Table Type in the MSE010 Table application.

2.13 Plant Segment 3 (KMS)

For most assets Plant Code Level 3 or Segment 3 is an 8 character uncontrolled attribute. It contains a track kilometrage reference in the format “NNNN.NNN”. Only the discrete kilometrage of an asset shall be recorded in the SPN.

There are some linear assets in signalling such as Track circuits, Signal cables, Aerial cables, GST etc. Signal cables are to use the km of the enclosure they are associated with. GST and aerial cables are to use the lowest km of the length as the start km. Track circuits use the location of the relay or receiver of the track circuit.

Level crossings are to use the centre of the road.

If the km does not contain 4 digits such as 151km then a 0 is to be included beforehand e.g. 0151. Likewise if the location is only known to the within a hundred metre's such 151.5km then simply add the required extra zero's to ensure 8 digits e.g. 0151.500km. Note the dot point between km and metre's counts as 1 digit. A consistent Km's format is important for calculation and sorting purposes.

There are certain circumstances where the assets are outside the rail corridor. For example in communications this occurs with radio/telemetry assets housed in a Carrier's premises, which service ARTC voice or data requirements. The rules to apply for these assets is as follows: Draw a line 90 degrees from the nearest rail, and then determine the rail KM at that point. This will be the location data for that asset. (e.g. 0151.485Km).

2.14 Plant Segment 4 (Function)

For most assets Plant Code Level 4 or Segment 4 is a controlled 2 character attribute utilised to further describe groups of assets within an Equipment Class which have distinct differences in function.

For instance Equipment Code TD.

Refer to the section on Equipment Class for a complete list of Class's to be used as the function code.

Any changes or additions to the valid Function codes shall ensure that the last 2 characters are unique across all structures asset types.

2.15 Plant Segment 5 (Equipment Name)

The Equipment Name code is a controlled value attribute. It contains a maximum of 10 digits. The equipment Name is derived from the actual equipment name as labelled in the field or listed within signalling controlled documents such as track plans.

2.16 Plant Segment 6

Note: Signals assets do not contain any information in the SPN past Plant Code Level 5/Segment 5. This is left blank.

2.17 Associated Equipment Item

Users should refer to the Data Classifications - Universal Work Instruction AMT-WI-020 for further information on this.

EGI's LR1102 – Cable No Test Required and LR1103 – Cable Testing Required are Associated Equipment Items of the relevant EGI LR1101 – Signalling Cable.

2.18 Equipment Location

The Equipment Location is a controlled value attribute. It contains a 3 or 5 character code. The code refers to the general geographic location of the asset on the Network (i.e. Goulburn = GLB or "Kempsey to Tambar" = KEMTA).

The values in the Equipment Location attribute are not directly controlled by another hierarchy attribute (e.g. Productive Unit, Basecode or Account Code); therefore the responsible manager must ensure that the values in these various attributes are consistent.

A Location has no dimensions of area. Locations are not split into sub-locations for the purpose of, for example, defining a yard or depot within a Location. A Location can belong to more than one Route (e.g. Junee S00 and S80, Muswellbrook N00 and N40). A Location may belong to several Basecodes and Account Code segments.

The significance of the Equipment Location is that it is used (in conjunction with the AAA table, refer to cl 6.1.1) to determine the Work Group that any defect generated Work Order is assigned to by default.

2.19 Account Code

Users should refer to ARTC Fixed Asset Register FCA-GL-045 and ARTC WK Chart of Accounts FIN-RG-006 for more comprehensive information on the business rules associated with the Account Code attribute.

2.20 Active (Y/N)

Users should refer to the Data Classifications - Universal Work Instruction AMT-WI-020 for further information on this.

3 Classifications

The classifications sub-frame is located within the equipment register [MSE600], as shown in Figure 1.

The screenshot shows a web interface with a navigation bar containing 'Primary Search', 'Advanced Search', 'Classifications', 'Reference Codes', and 'Map Search'. The 'Classifications' section is active, displaying a list of dropdown menus for: Management Business Unit, Network, Corridor, Line Segment, Management Delivery Unit, Provisioning Centre, State, ARTC Owned Y/N, ARTC Maintained Y/N, Shared Asset Y/N, and Cost Recovery Y/N.

Figure 1 - Equipment Classification Sub-frame

The classification sub-frame contains 11 ARTC defined attributes. The ARTC classification attributes are designed to perform one of two functions;

- Improve equipment searching functionality (by providing common ARTC groupings that are not provided for by the standard equipment register configuration or business hierarchy)
- Facilitate cost recovery (for shared infrastructure assets)

The “search functionality” attributes are controlled value attributes. They contain a 2 character alphanumeric code.

The attribute for each can be accessed at MSE010/E2 to MSE010/E12 within Ellipse

The “cost recovery” attributes are controlled value attributes. They contain a 1 character alpha code that has the YN data type.

The purpose of each classification attribute is specified in Table 4 below.

Classification	Control	Example Code	Purpose	Example Description
Management Business Unit	2N	03	Search	Interstate
Network	2N	3C	Search	Tottenham (VIC) – Crystal Brook (SA)
Corridor	2N	AA	Search	A00 – Keswick to VIC Border
Line Segment	2N	AB	Search	0112 - Crystal Brook – Spencer Junction
Management Delivery Unit	2N	3E	Search	Telarah to Acacia Ridge
Provisioning Centre	2N	AO	Search	Geelong
State	2N	VC	Search	Victoria
ARTC Owned	YNS	Y	Cost Recovery	Yes
ARTC Maintained	YNS	N	Cost Recovery	No
Shared Asset	YNS	Y	Cost Recovery	Yes

Classification	Control	Example Code	Purpose	Example Description
Cost Recovery	YNS	N	Cost Recovery	No

Table 4 - Equipment Classification Attributes

Classification attributes can be used in combination with attributes in the Primary Search and Advanced Search sub-frames to search the equipment register.

Note: A limitation of the classification attributes is that they may only be used to search or filter within the equipment register. They may not be used to filter or search for MST's, work orders, work requests etc. in their respective modules.

4 Alternate References

A signals equipment record in Ellipse may be a composite of multiple data sources. Where a data source has been used to composite the equipment record identifying data shall be stored in the Alternate References tab to provide backwards compatibility with historic data and documents. Examples of this identifying data include:

- BMS Asset Number (BMSID)
- BMS Structure Name (BMSNAME)
- Downer EDI Asset Number (EDINUM)
- Temporary AMP Database 'Temporary Asset Number'

5 Extended Description

The Extended Description is a free text sub-frame. It may be used by the responsible manager to store data specific to the asset that is not stored in a defined attribute within the nameplate record.

The Extended Description frame will be used to store any data migrated from historic databases that either do not warrant a nameplate record or were rarely populated (e.g. access phone number in BMS).

Entry of any other data in this frame will be at the responsible manager's discretion.

6 Nameplate

6.1 Purpose

The Nameplate sub-frame in Ellipse contains data specific to the asset. The Nameplate allows ARTC to build a more comprehensive dataset for each asset. Nameplate attributes are defined for each EGI and as such the EGI assigned to the asset determines what information can be recorded against that asset.

The data contained in the Nameplate attributes is editable by the Responsible Manager. The Responsible Manager shall ensure that the records maintained for each asset in the Nameplate sub-frame are as complete and accurate as possible.

6.2 Attribute Name(Nameplate)

Nameplate attributes can be assigned at various levels:

- Universal Nameplates (i.e. Plant Segment 1 to 5). These are common across all assets. They are populated from the SPN and are not editable in the Nameplate sub-frame.
- Common Nameplates. They share a common control across multiple selected EGI's and are editable in the Nameplate sub-frame.
- Unique Nameplates. These are common to either a single or a range of EGI's. They share a common control and are editable in the Nameplate sub-frame.

Each Attribute or Nameplate has an Attribute Name stored in a control table. Each Attribute or Nameplate also has an Attribute Description which is referenced against the control table to provide the 'plain English' description. The nameplate is essentially the header used to describe the drop down options within it.

6.3 Attribute Value (drop down)

Each Nameplate has several Attribute Values better known as drop downs. A drop down gives the specific detail for that asset. Nameplate drop downs are stored in Control Tables to enforce data quality controls in the Nameplate attributes. The control is specified using the table name. The Control Tables can be searched and viewed in the Search Table module [MSE010].

A Nameplate value within a defined Control Table shall store data as a 2-digit code. These codes can be found under the 'Table Type' header.

The Nameplate sub-frame and any data exports shall display the 'Description' for the corresponding Table Value. Template's for loading nameplates values in bulk can be found at ARTCs share point link below:

[Nameplate Templates](#)

APPENDIX A – Equipment Description Details & Examples

SITE Equipment Description

The SITE equipment is a geographical area that includes the signal equipment that is generally completed as a body of work.

There are 5 Signal SITES

- Signal Site
- Level Crossing Monitored Site
- Level Crossing Non Monitored Site
- Turnout Site
- Communication Site

The recommended Description format for SITE Equipment Description 1 or Item Name 1 is as described below. Keeping in mind the combined total including spaces is limited to 40 characters. Broadly **Description 1** includes the **Location & Equipment area**.

Determination of Location

- Location of the asset (using 3 or 5 letter identifier)
 - This is determined from the column “EQUIP LOCATION” in Ellipse.
 - E.g. 1 - if the location is “Goulburn” then we use the 3-letter identifier GLB
 - E.g. 2 - if the location is between interlockings “Kempsey to Tambar” then we use the 5-letter identifier KEMTA

Determination of Equipment Area

- A SIGNAL SITE is generally named after the main enclosure. If there are multiple enclosures, they are all included in the site.
- The SITE name can be can also be the most recognised description for the area, e.g. If the SITE is better recognised by a Signal rather than the enclosure then this can be used.
- A level xing SITE is generally named after the xing road.
- A Turnout SITE is generally names after the Pts name

Description 1 Examples below

- GLB GN5 SIGNAL SITE
 - GLB 170.8 SIGNAL SITE
 - BUNWG PENROSE PED MONITORED XING SITE
 - WGOME WINGELLO LEVEL XING MONITORED SITE
 - JYN 51 PTS TURNOUT SITE
- The Description format for Equipment Description 2 or Item Name 2 is as described below by using the EGI. Keeping in mind the combined total including spaces is limited to 40 characters all options are limited to those in this document. Broadly **Description 2** is the **EGI description**.

Equipment Description

The recommended Description format for Equipment Description 1 or Item Name 1 is as described below. Keeping in mind the combined total including spaces is limited to 40 characters. Broadly **Description 1** includes the **Location, Equipment Enclosure and Equipment Name**.

Determination of Location

- Location of the asset (using 3 or 5 letter identifier)
 - This is determined from the column “EQUIP LOCATION” in Ellipse.
 - E.g. 1 - if the location is “Goulburn” then we use the 3-letter identifier GLB
 - E.g. 2 - if the location is between interlockings “Kempsey to Tambar” then we use the 5-letter identifier KEMTA
 - Note - If the equipment is beyond the last turnout at the location but still part of the signal interlocking then the equipment location for the interlocking is used.

Determination of Equipment Enclosure

- Equipment Enclosure is the signalling enclosure/building/housing/location etc. that houses the equipment.
 - If the enclosure name is numerical or alpha numerical the word “LOC” is to be added directly after to separate any numerical equipment names in the description 1. An example is GN5 is the name of the Enclosure, this is to be entered as GN5 LOC or 103 enclosure should be entered as 103 LOC followed by the equipment name
 - **Note 1:** *If the enclosure is a relay room the letters RR are to be used in place of LOC.*
 - **Note 2:** *If the enclosure or location (LOC) has a different reference on the signal plan then this may be used. E.g. ZB for zone box is commonly used in Victoria.*

Description 1 Examples below

- GLB GN5 LOC (equip. name)
- GLB GN5 RR (equip. name)
- GLB GN5 ZB (equip. name)

The Description format for Equipment Description 2 or Item Name 2 is as described below by using the EGI. Keeping in mind the combined total including spaces is limited to 40 characters all options are limited to those in this document. Broadly **Description 2** is the **EGI description**.

Control Systems

Control System Operator Local Panel		EGI Code CS0101
Item Description 1	Location + Enclosure + Equipment Name	
Item Description 2	LOCAL CONTROL PANEL	
Examples	Item Description 1	Item Description 2
	HBJ 104.2 LOC LCP	LOCAL CONTROL PANEL
	HBJ HJ RR LCP	LOCAL CONTROL PANEL
Control System Territory Phoenix		EGI Code CS0111
Item Description 1	Location + Enclosure + Equipment Name	
Item Description 2	CONTROL SYSTEMS TERRITORY PHOENIX	
Examples	Item Description 1	Item Description 2
	BMD NCCS NTH 1 PHOENIX	CONTROL SYSTEMS TERRITORY PHOENIX
	JUN NCCS STH1 PHOENIX	CONTROL SYSTEMS TERRITORY PHOENIX
Control System Territory PTOS		EGI Code CS0112
Item Description 1	Location + Enclosure + Equipment Name	
Item Description 2	CONTROL SYSTEMS TERRITORY PTOS	
Examples	Item Description 1	Item Description 2
	BMD NCCS NTH 3 PTOS	CONTROL SYSTEMS TERRITORY PTOS
	JUN NCCS STH 4 PTOS	CONTROL SYSTEMS TERRITORY PTOS
Control System Territory TMACS		EGI Code CS0113
Item Description 1	Location + Enclosure + Equipment Name	
Item Description 2	CONTROL SYSTEMS TERRITORY TMACS	
Examples	Item Description 1	Item Description 2
	BMD NCCS NTH TMACS	CONTROL SYSTEMS TERRITORY TMACS
	JUN NCCS STH TMACS	CONTROL SYSTEMS TERRITORY TMACS
Control System Equipment Monitor 4Site		EGI Code CS0121
Item Description 1	Location + Enclosure + Equipment Name	
Item Description 2	EQUIPMENT MONITOR 4SITE	
Examples	Item Description 1	Item Description 2
	BMD NCCS 4SITE	EQUIPMENT MONITOR 4SITE



APPENDIX A – Equipment Description Details & Examples

Control System Equipment Monitor Points	EGI Code CS0122
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Item Description 1	Location + Enclosure + Equipment Name
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Item Description 2	EQUIPMENT MONITOR POINTS
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	Item Description 1	Item Description 2
Examples	HBJ 104.2 LOC EQP MON PTS	EQUIPMENT MONITOR POINTS
	HBJ HJ RR EQP MON PTS	EQUIPMENT MONITOR POINTS

Control System Equipment Monitor WAM	EGI Code CS0123
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Item Description 1	Location + Enclosure + Equipment Name
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Item Description 2	EQUIPMENT MONITOR WAM
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	Item Description 1	Item Description 2
Examples	HBJ 104.2 LOC EQP MON WAM	EQUIPMENT MONITOR WAM
	HBJ HJ RR EQP MON WAM	EQUIPMENT MONITOR WAM

Control System Equipment Monitor Maintenance Terminal	EGI Code CS0124
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Item Description 1	Location + Enclosure + Equipment Name
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Item Description 2	EQUIPMENT MONITOR MAINT. TERMINAL
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	Item Description 1	Item Description 2
Examples	HBJ 104.2 LOC EQP MON TERM	EQUIPMENT MONITOR MAINT. TERMINAL
	HBJ HJ RR EQP MON TERM	EQUIPMENT MONITOR MAINT. TERMINAL

Telemetry

Telemetry FDM	EGI Code TM0201
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Item Description 1	Location + Enclosure + Equipment Name
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Item Description 2	TELEMETRY FDM
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	Item Description 1	Item Description 2
Examples	HBJ 104.2 LOC FDM	TELEMETRY FDM
	GLB GB RR FDM	TELEMETRY FDM

Telemetry iMAC	EGI Code TM0202
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Item Description 1	Location + Enclosure + Equipment Name
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APPENDIX A – Equipment Description Details & Examples

Item Description 2 TELEMETRY iMAC

	Item Description 1	Item Description 2
	HBJ 104.2 LOC iMAC	TELEMETRY iMAC
Examples	GLB GB RR iMAC	TELEMETRY iMAC

Telemetry Kingfisher

EGI Code TM0203

Item Description 1 Location + Enclosure + Equipment Name

Item Description 2 TELEMETRY KINGFISHER

	Item Description 1	Item Description 2
	HBJ 104.2 LOC KF	TELEMETRY KINGFISHER
Examples	BMD NCCN MS1 KF	TELEMETRY KINGFISHER
	GLB GB RR KF	TELEMETRY KINGFISHER

Telemetry Moscad

EGI Code TM0204

Item Description 1 Location + Enclosure + Equipment Name

Item Description 2 TELEMETRY MOSCAD

	Item Description 1	Item Description 2
	HBJ 104.2 LOC MOSCAD	TELEMETRY MOSCAD
Examples	BMD NCCN MS1 MOSCAD	TELEMETRY MOSCAD
	GLB GB RR MOSCAD	TELEMETRY MOSCAD

Telemetry ICAPS

EGI Code TM0205

Item Description 1 Location + Enclosure + Equipment Name

Item Description 2 TELEMETRY ICAPS

	Item Description 1	Item Description 2
	HBJ 104.2 LOC ICAPS	TELEMETRY ICAPS
Examples	BMD NCCN MS1 ICAPS	TELEMETRY ICAPS
	GLB GB RR ICAPS	TELEMETRY ICAPS

Telemetry S2 TDM

EGI Code TM0206

Item Description 1 Location + Enclosure + Equipment Name

Item Description 2 TELEMETRY S2 TDM

Item Description 1	Item Description 2
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APPENDIX A – Equipment Description Details & Examples

Examples	HBJ 104.2 LOC S2 TDM	TELEMETRY S2 TDM
	BMD NCCN MS1 S2 TDM	TELEMETRY S2 TDM
	GLB GB RR S2 TDM	TELEMETRY S2 TDM

Level Crossings

Note 1: If the Enclosure carries the same name as the crossing then only the location and crossing name are required in Item description 1. The equipment name is the level crossing name.

Note 2: The following abbreviations **are** to be used for consistency.

- Road – RD
- Street – ST
- Highway – HWY
- Lane – LN

Note 3: The following abbreviations may be used, if space requirements are an issue, for consistency.

- PEDESTRIAN CROSSING - PED XING
- LEVEL CROSSING – LXING

Level Crossing Monitored RX-5 Lights EGI Code LX0301

Item Description 1 Location + Enclosure (added only if different to xing name) + Equipment Name

Item Description 2 MON RX-5 LIGHTS

Examples	Item Description 1	Item Description 2
	GLB YELLOW HWY LEVEL CROSSING	LEVEL XING MON RX-5 LIGHTS
	GLB EAST ST LEVEL CROSSING	LEVEL XING MON RX-5 LIGHTS
	GLB GN4 LOC EAST ST LEVEL CROSSING	LEVEL XING MON RX-5 LIGHTS

Level Crossing Monitored RX-5 Lights & Booms EGI Code LX0302

Item Description 1 Location + Enclosure (added only if different to xing name) + Equipment Name

Item Description 2 MON RX-5 LIGHTS & BOOMS

Examples	Item Description 1	Item Description 2
	GLB YELLOW HWY LEVEL CROSSING	LEVEL XING MON RX-5 LIGHTS & BOOMS
	GLB EAST ST LEVEL CROSSING	LEVEL XING MON RX-5 LIGHTS & BOOMS
	GLB GN4 LOC EAST ST LEVEL CROSSING	LEVEL XING MON RX-5 LIGHTS & BOOMS

Level Crossing Monitored RX-12 Pedestrian Lights EGI Code LX0303

Item Description 1 Location + Enclosure (added only if different to xing name) + Equipment Name

Item Description 2 MON RX-12 PED LIGHTS

Examples	Item Description 1	Item Description 2
	GLB YELLOW HWY PED CROSSING	PEDESTRIAN XING MON RX-12LIGHTS
	GLB EAST ST PED CROSSING	PEDESTRIAN XING MON RX-12LIGHTS
	GLB GN4 LOC PED CROSSING	PEDESTRIAN XING MON RX-12LIGHTS



APPENDIX A – Equipment Description Details & Examples

Level Crossing Monitored RX-12 Pedestrian Lights & Booms		EGI Code LX0304
Item Description 1	Location + Enclosure (added only if different to xing name) + Equipment Name	
Item Description 2	MON RX-12 PED LIGHTS & BOOMS	
Examples	Item Description 1	Item Description 2
	GLB YELLOW HWY PED CROSSING	PED CROSSING MON RX-12 LIGHTS & BOOMS
	GLB EAST ST PED CROSSING	PED CROSSING MON RX-12 LIGHTS & BOOMS
	GLB GN4 LOC PED CROSSING	PED CROSSING MON RX-12 LIGHTS & BOOMS
Level Crossing Monitored Supplementary Lights		EGI Code LX0305
Item Description 1	Location + Enclosure (added only if different to xing name) + Equipment Name	
Item Description 2	MON SUPPLEMENTRY LIGHTS	
Examples	Item Description 1	Item Description 2
	GLB YELLOW HWY LEVEL CROSSING	LEVEL XING MON SUPPLEMENTRY LIGHTS
	GLB EAST ST LEVEL CROSSING	LEVEL XING MON SUPPLEMENTRY LIGHTS
	GLB GN4 LOC EAST ST LEVEL CROSSING	LEVEL XING MON SUPPLEMENTRY LIGHTS
Level Crossing Non Monitored RX-5 Lights		EGI Code LX0311
Item Description 1	Location + Enclosure (added only if different to xing name) + Equipment Name	
Item Description 2	NON-MON RX-5 LIGHTS	
Examples	Item Description 1	Item Description 2
	GLB YELLOW HWY LEVEL CROSSING	LEVEL XING NON-MON RX-5 LIGHTS
	GLB EAST ST LEVEL CROSSING	LEVEL XING NON-MON RX-5 LIGHTS
	GLB GN4 LOC EAST ST LEVEL CROSSING	LEVEL XING NON-MON RX-5 LIGHTS
Level Crossing Non Monitored RX-5 Lights & Booms		EGI Code LX0312
Item Description 1	Location + Enclosure (added only if different to xing name) + Equipment Name	
Item Description 2	NON-MON RX-5 LIGHTS & BOOMS	
Examples	Item Description 1	Item Description 2
	GLB YELLOW HWY LEVEL CROSSING	LEVEL XING NON-MON RX-5 LIGHTS & BOOMS
	GLB EAST ST LEVEL CROSSING	LEVEL XING NON-MON RX-5 LIGHTS & BOOMS
	GLB GN4 LOC EAST ST LEVEL CROSSING	LEVEL XING NON-MON RX-5 LIGHTS & BOOMS
Level Crossing Non Monitored RX-12 Pedestrian Lights		EGI Code LX0313
Item Description 1	Location + Enclosure (added only if different to xing name) + Equipment Name	
Item Description 2	NON-MON RX-12 PED LIGHTS	

APPENDIX A – Equipment Description Details & Examples

Examples	Item Description 1	Item Description 2
	GLB YELLOW HWY PED CROSSING	PEDESTRIAN XING NON-MON RX-12 LIGHTS
	GLB EAST ST PED CROSSING	PEDESTRIAN XING NON-MON RX-12 LIGHTS
	GLB GN4 LOC EAST ST PED CROSSING	PEDESTRIAN XING NON-MON RX-12 LIGHTS

Level Crossing Non Monitored RX-12 Pedestrian Lights & Booms EGI Code LX0314

Item Description 1 Location + Enclosure (added only if different to xing name) + Equipment Name

Item Description 2 NON-MON RX-12 PED LIGHTS & BOOMS

Examples	Item Description 1	Item Description 2
	GLB YELLOW HW PED CROSSING	PEDESTRIAN XING NON-MON RX-12 LIGHTS & BOOMS
	GLB EAST ST PED CROSSING	PEDESTRIAN XING NON-MON RX-12 LIGHTS & BOOMS
	GLB GN4 LOC EAST ST PED CROSSING	PEDESTRIAN XING NON-MON RX-12 LIGHTS & BOOMS

Signals

Note 1: The following Signal Type abbreviations are to be used in Description 1 for consistency.

- Buffer Stop - BFST
- Co-Actor - CO-AC
- Distant - DIST
- Enhancer - ENHR
- Guards Indicator - GDS IND
- Main Line Indicator - MLI
- Points Indicator - PTS IND
- Repeater - REPT
- Shunt - SHNT
- Warning Light - WRN LT

Note 2: with regards to Signs If there is no enclosure in the vicinity then this is not required.

Signal Incandescent EGI Code SG0401

Item Description 1 Location + Enclosure + Equipment Name + Type (abbreviation) + SIG

Item Description 2 SIGNAL INCANDESCENT
 SIGNAL INCANDESCENT BUFFER STOP
 SIGNAL INCANDESCENT CO-ACTOR
 SIGNAL INCANDESCENT DISTANT
 SIGNAL INCANDESCENT ENHANCER
 SIGNAL INCANDESCENT GUARDS INDICATOR
 SIGNAL INCANDESCENT MLI
 SIGNAL INCANDESCENT POINTS INDICATOR
 SIGNAL INCANDESCENT REPEATER
 SIGNAL INCANDESCENT SEARCHLIGHT
 SIGNAL INCANDESCENT SHUNT
 SIGNAL INCANDESCENT WARNING LT



APPENDIX A – Equipment Description Details & Examples

Examples	Item Description 1	Item Description 2
	HBJ 104.2 LOC HJ42 SIG	SIGNAL INCANDESCENT
	HBJ 104.2 LOC HJ42 DIST SIG	SIGNAL INCANDESCENT DISTANT
	HBJ 104.2 LOC HJ42 REPT SIG	SIGNAL INCANDESCENT REPEATER
	HBJ HJ RR HJ21 SIG	SIGNAL INCANDESCENT

Signal LED EGI Code SG0402

Item Description 1 Location + Enclosure + Equipment Name + Type (abbreviation) + SIG

Item Description 2

SIGNAL LED
 SIGNAL LED BUFFER STOP
 SIGNAL LED CO-ACTOR
 SIGNAL LED DISTANT
 SIGNAL LED ENHANCER
 SIGNAL LED GUARDS INDICATOR
 SIGNAL LED MLI
 SIGNAL LED POINTS INDICATOR
 SIGNAL LED REPEATER
 SIGNAL LED SHUNT
 SIGNAL LED WARNING LT

Examples	Item Description 1	Item Description 2
	HBJ 104.2 LOC HJ42 SIG	SIGNAL LED
	HBJ 104.2 LOC HJ42 DIST SIG	SIGNAL LED DISTANT
	HBJ 104.2 LOC HJ42 REPT SIG	SIGNAL LED REPEATER
	HBJ HJ RR HJ21 SIG	SIGNAL LED

Signal Mechanical EGI Code SG0411

Item Description 1 Location + Enclosure + Equipment Name + Type (abbreviation) + SIG

Item Description 2 SIGNAL MECHANICAL SEMAPHORE

Examples	Item Description 1	Item Description 2
	HBJ 104.2 LOC HJ42 SIG	SIGNAL MECHANICAL SEMAPHORE
	HBJ HJ RR HJ21 SIG	SIGNAL MECHANICAL SEMAPHORE

Signal Noticeboard/Sign EGI Code SG0421

Item Description 1 Location + Enclosure (IF APPLICABLE) + Equipment Name + BD

Item Description 2

SIGN AXLE COUNTER BOARD
 SIGN BEGIN YARD LIMITS
 SIGN CATCHPOINT
 SIGN DERAIL



APPENDIX A – Equipment Description Details & Examples

- SIGN END TRAIN ORDER
- SIGN END YARD LIMITS
- SIGN LANDMARK
- SIGN LOCATION BOARD
- SIGN SHUNT LIMIT
- SIGN START TRAIN ORDER
- SIGN STOPBOARD
- SIGN SUPERFREIGHTER
- SIGN YARD LIMIT

	Item Description 1	Item Description 2
Examples	HBJ HJ RR SHUNT LIMIT DN MN BD	SIGN SHUNT LIMIT
	DEN 168P LOC UP MAIN SIDING STOP BD	SIGN STOPBOARD
Examples	HBJ HJ RR C FRAME DERAIL BD	SIGN DERAIL

Interlockings

Note 1 : EGI Code IN0511 -The following abbreviations are to be used in Description 1 for consistency for Microlok and can be applied to other CBIs

- Mains – MNS
- Coals - CLS
- Interlocking - INT
- Input/Output - IO
- Train Control System - TCS
- Master - MSTR
- Slave – SLV

Note 3: EGI Code IN0503 – This number is to be utilised to cover a group of relays such as those in relay rooms

Note 4: A main frame is frame containing numerous levers to operate multiple pts and or signals.

Int. Relay Miniature Plug In	EGI Code IN0503	
Item Description 1	Location + Enclosure + Equipment Name	
Item Description 2	INT. RELAY MINIATURE & LARGE PLUG IN	
	Item Description 1	Item Description 2
Examples	HBJ 104.2 LOC RELAY INT	RELAY MINIATURE & LARGE PLUG IN
	TON TN RR RELAY INT	RELAY MINIATURE & LARGE PLUG IN

Int. CBI Microlok 2	EGI Code IN0511	
Item Description 1	Location + Enclosure + Equipment Name + MICROLOK	
Item Description 2	CBI MICROLOK II	



APPENDIX A – Equipment Description Details & Examples

Examples	Item Description 1	Item Description 2
	HBJ 104.2 LOC INT MICROLOK	CBI MICROLOK II
	TON TN RR MNS MICROLOK	CBI MICROLOK II

Int. CBI HIMA EGI Code IN0512

Item Description 1 Location + Enclosure + Equipment Name + HIMA

Item Description 2 CBI HIMA

Examples	Item Description 1	Item Description 2
	HBJ 104.2 LOC HIMA	CBI HIMA
	TON TN RR HIMA	CBI HIMA

Int. CBI Westrace 1 EGI Code IN0513

Item Description 1 Location + Enclosure + Equipment Name + WESTRACE

Item Description 2 CBI WESTRACE 1

Examples	Item Description 1	Item Description 2
	HBJ 104.2 LOC WESTRACE	CBI WESTRACE 1
	TON TN RR WESTRACE	CBI WESTRACE 1

Int. CBI Westrace 2 EGI Code IN0514

Item Description 1 Location + Enclosure + Equipment Name + WESTRACE

Item Description 2 CBI WESTRACE 2

Examples	Item Description 1	Item Description 2
	HBJ 104.2 LOC WESTRACE	CBI WESTRACE 2
	TON TN RR WESTRACE	CBI WESTRACE 2

Int. CBI Electrolog IXS EGI Code IN0515

Item Description 1 Location + Enclosure + Equipment Name + IXS

Item Description 2 CBI ELECTROLOG IXS

Examples	Item Description 1	Item Description 2
	HBJ 104.2 LOC IXS	CBI ELECTROLOG IXS
	TON TN RR IXS	CBI ELECTROLOG IXS

Int. CBI Westlok EGI Code IN0516

Item Description 1 Location + Enclosure + Equipment Name + WESTLOCK

Item Description 2 CBI WESTLOC



APPENDIX A – Equipment Description Details & Examples

Examples	Item Description 1 HBJ 104.2 LOC WESTLOCK TON TN RR WESTLOCK	Item Description 2 CBI WESTLOCK CBI WESTLOCK	
Int. CBI VHLC			EGI Code IN0517
Item Description 1	Location + Enclosure + Equipment Name + VHLC		
Item Description 2	CBI VHLC		
Examples	Item Description 1 HBJ 104.2 LOC VHLC TON TN RR VHLC	Item Description 2 CBI VHLC CBI VHLC	
Int. CBI EC4			EGI Code IN0518
Item Description 1	Location + Enclosure + Equipment Name + EC4		
Item Description 2	CBI EC4		
Examples	Item Description 1 HBJ 104.2 LOC EC4 TON TN RR EC4	Item Description 2 CBI EC4 CBI EC4	
Int. CBI EC5			EGI Code IN0519
Item Description 1	Location + Enclosure + Equipment Name + EC5		
Item Description 2	CBI EC5		
Examples	Item Description 1 HBJ 104.2 LOC EC5 TON TN RR EC5	Item Description 2 CBI EC5 CBI EC5	
Int. CBI VPI			EGI Code IN0521
Item Description 1	Location + Enclosure + Equipment Name + VPI		
Item Description 2	CBI VPI		
Examples	Item Description 1 HBJ 104.2 LOC VPI TON TN RR VPI	Item Description 2 CBI VPI CBI VPI	
Int. CBI HD Link			EGI Code IN0522
Item Description 1	Location + Enclosure + Equipment Name + HD LINK		
Item Description 2	CBI HD LINK		



APPENDIX A – Equipment Description Details & Examples

	Item Description 1	Item Description 2
Examples	HBJ 104.2 LOC HD LINK	CBI HD LINK
	TON TN RR HD LINK	CBI HD LINK

Int. CBI SSI EGI Code IN0523

Item Description 1 Location + Enclosure + Equipment Name + SSI

Item Description 2 CBI SSI

	Item Description 1	Item Description 2
Examples	HBJ 104.2 LOC SSI	CBI SSI
	TON TN RR SSI	CBI SSI

Int. Mech Main Frame EGI Code IN0531

Item Description 1 Location + Enclosure + Equipment Name

Item Description 2 MECHANICAL MAIN FRAME

	Item Description 1	Item Description 2
Examples	MIT MIT SIG LOC A FRAME	MECHANICAL MAIN FRAME

Int. Mech Ground Frame EGI Code IN0532

Item Description 1 Location + Enclosure + Equipment Name

Item Description 2 MECHANICAL GROUND FRAME

	Item Description 1	Item Description 2
Examples	HBJ 104.2 LOC J FRAME	MECHANICAL GROUND FRAME
	TON TN RR G FRAME	MECHANICAL GROUND FRAME

Int. Mech Rel. EGI Code IN0533

Item Description 1 Location + Enclosure + Equipment Name

Item Description 2
 MECHANICAL RELEASE MAINTENANCE KEY B
 MECHANICAL RELEASE HALF PILOT STAFF
 MECHANICAL RELEASE DUPLEX LK
 MECHANICAL RELEASE EMERGENCY

	Item Description 1	Item Description 2
Examples	HBJ 104.2 LOC J FRAME REL	MECHANICAL RELEASE DUPLEX LK
	TON TN RR G FRAME REL	MECHANICAL RELEASE EMERGENCY

Points

Note 1: The equipment name for points is determined by the points number followed by the turnout type. The following abbreviations are to be used in Description 1 for consistency.

- Points – PTS
- Swingnose - SNX
- Catchpoint - CPT
- Derail and Crowder - DRL

Note 2: Although Description 2 is fixed the makeup of the name is made by the following process

- Points Type + Model + Lock Type
- The model can include version if available e.g. I, II, or III

Note 3: The following abbreviations are to be used in Description 1 for consistency.

- Releasing Switch – REL SW
- Switch Lock – SW LK

Points Combined M Series		EGI Code PT0601
Item Description 1	Location + Enclosure + Equipment Name	
Item Description 2	POINTS M3A INTERNAL LOCK POINTS M23A INTERNAL LOCK POINTS M2 INTERNAL LOCK POINTS M2D INTERNAL LOCK POINTS M70 INTERNAL LOCK	
Examples	Item Description 1 HBJ 104.2 LOC 186A PTS HBJ HJ RR 143B PTS	Item Description 2 POINTS M3A INTERNAL LOCK POINTS M23A INTERNAL LOCK
Points Combined HW Series		EGI Code PT0602
Item Description 1	Location + Enclosure + Equipment Name	
Item Description 2	POINTS HW4400 INTERNAL LOCK POINTS HW4121 INTERNAL LOCK	
Examples	Item Description 1 HBJ 104.2 LOC 186A PTS HBJ HJ RR 143B PTS	Item Description 2 POINTS HW4400 INTERNAL LOCK POINTS HW4121 INTERNAL LOCK
Points Combined KA Series		EGI Code PT0603
Item Description 1	Location + Enclosure + Equipment Name	
Item Description 2	POINTS KA1200 INTERNAL LOCK POINTS KA1211 INTERNAL LOCK POINTS KA1401	
	Item Description 1	Item Description 2



APPENDIX A – Equipment Description Details & Examples

Examples	HBJ 104.2 LOC 186A PTS HBJ HJ RR 143B PTS	POINTS KA1200 INTERNAL LOCK POINTS KA1211 INTERNAL LOCK	
Points Combined M III Series			EGI Code PT0604
Item Description 1	Location + Enclosure + Equipment Name		
Item Description 2	POINTS M23A III INTERNAL LOCK		
Examples	Item Description 1 HBJ 104.2 LOC C 186 PTS HBJ HJ RR 186 PTS	Item Description 2 POINTS M23A III INTERNAL LOCK POINTS M23A III INTERNAL LOCK	
Points Derailer M Series			EGI Code PT0611
Item Description 1	Location + Enclosure + Equipment Name		
Item Description 2	DERAILER M3A DERAILER M23A DERAILER M2 DERAILER M2D DERAILER M70		
Examples	Item Description 1 HBJ 104.2 LOC 186A DRL HBJ HJ RR 143B DRL	Item Description 2 DERAILER M3A DERAILER M23A	
Points Derailer KA Series			EGI Code PT0612
Item Description 1	Location + Enclosure + Equipment Name		
Item Description 2	DERAILER KA1200 DERAILER KA1211 DERAILER KA1401		
Examples	Item Description 1 HBJ 104.2 LOC 186A DRL HBJ HJ RR 143B DRL	Item Description 2 DERAILER KA1200 DERAILER KA1211	
Points Derailer 84M Series			EGI Code PT0613
Item Description 1	Location + Enclosure + Equipment Name		
Item Description 2	DERAILER 84M		
Examples	Item Description 1 HBJ 104.2 LOC 186A DRL HBJ HJ RR 143B DRL	Item Description 2 DERAILER 84M DERAILER 84M	
Points Clamplock Hydraulic			EGI Code PT0621



APPENDIX A – Equipment Description Details & Examples

Item Description 1 Location + Enclosure + Equipment Name

Item Description 2 POINTS CLAMPLOCK

Examples	Item Description 1	Item Description 2
	HBJ 104.2 LOC 186A PTS	POINTS CLAMPLOCK HYDRAULIC

Points Clamplock Vossloh Series

EGI Code PT0622

Item Description 1 Location + Enclosure + Equipment Name

Item Description 2 POINTS CLAMPLOCK VOSSLOH

Examples	Item Description 1	Item Description 2
	HBJ 104.2 LOC 186A PTS	POINTS CLAMPLOCK VOSSLOH

Points Clawlock 84M Series

EGI Code PT0631

Item Description 1 Location + Enclosure + Equipment Name

Item Description 2 POINTS 84M CLAWLOCK
SWINGNOSE 84M CLAWLOCK

Examples	Item Description 1	Item Description 2
	HBJ 104.2 LOC 186A PTS HBJ HJ RR 143B SNX	POINTS 84M CLAWLOCK SWINGNOSE 84M CLAWLOCK

Points Clawlock S700 Series

EGI Code PT0632

Item Description 1 Location + Enclosure + Equipment Name

Item Description 2 POINTS S700V CLAWLOCK
POINTS S700K CLAWLOCK
SWINGNOSE S700V CLAWLOCK
SWINGNOSE S700K CLAWLOCK

Examples	Item Description 1	Item Description 2
	HBJ 104.2 LOC 186A PTS HBJ HJ RR 143B SNX	POINTS S700V CLAWLOCK SWINGNOSE S700K CLAWLOCK

Points Spherolock 84M Series

EGI Code PT0641

Item Description 1 Location + Enclosure + Equipment Name

Item Description 2 POINTS 84M SPHEROLOCK

APPENDIX A – Equipment Description Details & Examples

SWINGNOSE 84M SPHEROLOCK

Examples	Item Description 1	Item Description 2
	HBJ 104.2 LOC 186A PTS	POINTS 84M SPHEROLOCK
	HBJ HJ RR 143B SNX	SWINGNOSE 84M SPHEROLOCK

Points Spherolock S700 Series EGI Code PT0642

Item Description 1 Location + Enclosure + Equipment Name

Item Description 2 POINTS S700V SPHEROLOCK
 POINTS S700K SPHEROLOCK
 SWINGNOSE S700V SPHEROLOCK
 SWINGNOSE S700K SPHEROLOCK

Examples	Item Description 1	Item Description 2
	HBJ 104.2 LOC 186A PTS	POINTS S700V SPHEROLOCK
	HBJ HJ RR 143B SNX	SWINGNOSE S700K SPHEROLOCK

Points Mechanical EGI Code PT0651

Item Description 1 Location + Enclosure + Equipment Name

Item Description 2 POINTS MECHANICAL ELEC DET
 POINTS MECHANICAL NO DET

Examples	Item Description 1	Item Description 2
	HBJ 104.2 LOC - C FRAME - A END PTS	POINTS MECHANICAL ELEC DET
	HBJ HJ RR - J FRAME - B END CATCH PTS	POINTS MECHANICAL NO DET

Points Mechanical Solar Hydra EGI Code PT0652

Item Description 1 Location + Enclosure + Equipment Name

Item Description 2 POINTS MECHANICAL SOLAR HYDRA

Examples	Item Description 1	Item Description 2
	HBJ 104.2 LOC - 101 PTS	POINTS MECHANICAL SOLAR HYDRA
	HBJ HJ RR - J FRAME - B END CATCH PTS	

Points Mechanical Derailer EGI Code PT0653

Item Description 1 Location + Enclosure + Equipment Name

Item Description 2 POINTS MECHANICAL DERAILER

Examples	Item Description 1	Item Description 2
	HBJ 104.2 LOC - C FRAME - B END DRL	POINTS MECHANICAL DERAILER

APPENDIX A – Equipment Description Details & Examples

HBJ HJ RR - J FRAME - DRL

POINTS MECHANICAL DERAILER

Points Mechanical GRS		EGI Code PT0654
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Item Description 1	Location + Enclosure + Equipment Name
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Item Description 2	POINTS MECHANICAL GRS
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	Item Description 1	Item Description 2	
Examples	HBJ 104.2 LOC - C FRAME - B END PTS	POINTS MECHANICAL GRS	
	HBJ HJ RR - J FRAME PTS	POINTS MECHANICAL GRS	

Points Releasing Switch		EGI Code PT0661
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Item Description 1	Location + Enclosure + Equipment Name
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Item Description 2	POINTS RELEASING SWITCH
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	Item Description 1	Item Description 2	
Examples	HBJ 104.2 LOC C FRAME REL SW	POINTS RELEASING SWITCH	
	HBJ HJ RR J FRAME REL SW	POINTS RELEASING SWITCH	

Points Releasing Switch Fortress		EGI Code PT0662
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Item Description 1	Location + Enclosure + Equipment Name
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Item Description 2	POINTS RELEASING SWITCH FORTRESS
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	Item Description 1	Item Description 2	
Examples	HBJ 104.2 LOC C FRAME REL SW	POINTS RELEASING SWITCH FORTRESS	
	HBJ HJRR J FRAME REL SW	POINTS RELEASING SWITCH FORTRESS	

Points Switchlock Westinghouse		EGI Code PT0663
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Item Description 1	Location + Enclosure + Equipment Name
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Item Description 2	POINTS SWITCHLOCK WESTINGHOUSE
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	Item Description 1	Item Description 2	
Examples	HBJ 104.2 LOC C PTS SW LK	POINTS SWITCHLOCK WESTINGHOUSE	
	HBJ HJ RR 12 PTS SW LK	POINTS SWITCHLOCK WESTINGHOUSE	

Points Switchlock Westinghouse HLM		EGI Code PT0664
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Item Description 1	Location + Enclosure + Equipment Name
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Item Description 2	POINTS SWITCHLOCK WESTINGHOUSE HLM
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Item Description 1		Item Description 2
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APPENDIX A – Equipment Description Details & Examples

Examples	HBJ 104.2 LOC C PTS SW LK	POINTS SWITCHLOCK WESTINGHOUSE HLM
	HBJ HJ RR 12 PTS SW LK	POINTS SWITCHLOCK WESTINGHOUSE HLM

Points Releasing PTOS Master Key Safe EGI Code PT0665

Item Description 1 Location + Enclosure + Equipment Name

Item Description 2 PTOS MASTER KEY SAFE

Examples	Item Description 1	Item Description 2
	HBJ 104.2 LOC PTOS MST KEY SF	PTOS MASTER KEY SAFE
	HBJ HJ RR PTOS MST KEY SF	PTOS MASTER KEY SAFE

Points UNISTAR EGI Code PT0671

Item Description 1 Location + Enclosure + Equipment Name

Item Description 2 POINTS UNISTAR

Examples	Item Description 1	Item Description 2
	HBJ 104.2 LOC 186 PTS	POINTS UNISTAR
	HBJ HJ RR 143 PTS	POINTS UNISTAR

Train Detection

Train Detection DC Standard EGI Code TD0701

Item Description 1 Location + Enclosure + Equipment Name

Item Description 2 TRACK CIRCUIT DC

Examples	Item Description 1	Item Description 2
	HBJ 104.2 LOC 45AT	TRACK CIRCUIT DC
	HBJ HJ RR 104.9BT	TRACK CIRCUIT DC

Train Detection DC Shelf Type EGI Code TD0702

Item Description 1 Location + Enclosure + Equipment Name

Item Description 2 TRACK CIRCUIT DC SHELF TYPE

Examples	Item Description 1	Item Description 2
	HBJ 104.2 LOC 45AT	TRACK CIRCUIT DC SHELF TYPE
	HBJ HJ RR 104.9BT	TRACK CIRCUIT DC SHELF TYPE



APPENDIX A – Equipment Description Details & Examples

Train Detection DC Westrace/TD4

EGI Code TD0703

Item Description 1 Location + Enclosure + Equipment Name

Item Description 2 TRACK CIRCUIT WESTRACE/TD4

	Item Description 1	Item Description 2
Examples	HBJ 104.2 LOC 45AT	TRACK CIRCUIT WESTRACE/TD4
	HBJ HJ RR 104.9BT	TRACK CIRCUIT WESTRACE/TD4

Train Detection HVI

EGI Code TD0711

Item Description 1 Location + Enclosure + Equipment Name

Item Description 2 TRACK CIRCUIT HVI JUEMONT SINGLE RAIL
TRACK CIRCUIT HVI JUEMONT DOUBLE RAIL

	Item Description 1	Item Description 2
Examples	HBJ 104.2 LOC 45AT	TRACK CIRCUIT HVI JUEMONT SINGLE RAIL
	HBJ HJ RR 104.9BT	TRACK CIRCUIT HVI JUEMONT DOUBLE RAIL

Train Detection AC

EGI Code TD0721

Note: AC track circuits are defined as those having a relay operated by AC

Item Description 1 Location + Enclosure + Equipment Name

Item Description 2 TRACK CIRCUIT AC

	Item Description 1	Item Description 2
Examples	HBJ 104.2 LOC 45AT	TRACK CIRCUIT AC
	HBJ HJ RR 104.9BT	TRACK CIRCUIT AC

Train Detection CSEE

EGI Code TD0731

Item Description 1 Location + Enclosure + Equipment Name

Item Description 2 TRACK CIRCUIT CSEE

	Item Description 1	Item Description 2
Examples	HBJ 104.2 LOC 45AT	TRACK CIRCUIT CSEE
	HBJ HJ RR 104.9BT	TRACK CIRCUIT CSEE

Train Detection Frequency MLTI21 Analog

EGI Code TD0732

Item Description 1 Location + Enclosure + Equipment Name

Item Description 2 TRACK CIRCUIT ML TI21 ANALOG

Item Description 1	Item Description 2



APPENDIX A – Equipment Description Details & Examples

Examples	HBJ 104.2 LOC 45AT	TRACK CIRCUIT ML TI21 ANALOG
	HBJ HJ RR 104.9BT	TRACK CIRCUIT ML TI21 ANALOG

Train Detection Frequency MLTI21 Digital EGI Code TD0733

Item Description 1 Location + Enclosure + Equipment Name

Item Description 2 TRACK CIRCUIT ML TI21 DIGITAL

Examples	Item Description 1	Item Description 2
	HBJ 104.2 LOC 45AT	TRACK CIRCUIT ML TI21 DIGITAL
	HBJ HJ RR 104.9BT	TRACK CIRCUIT ML TI21 DIGITAL

Train Detection Frequency PSO 3 EGI Code TD0734

Item Description 1 Location + Enclosure + Equipment Name

Item Description 2 TRACK CIRCUIT PSO 3

Examples	Item Description 1	Item Description 2
	HBJ 104.2 LOC 45AT	TRACK CIRCUIT PSO 3
	HBJ HJ RR 104.9BT	TRACK CIRCUIT PSO 3

Train Detection Frequency PSO 4000 EGI Code TD0735

Item Description 1 Location + Enclosure + Equipment Name

Item Description 2 TRACK CIRCUIT PSO 4000

Examples	Item Description 1	Item Description 2
	HBJ 104.2 LOC 45AT	TRACK CIRCUIT PSO 4000
	HBJ HJ RR 104.9BT	TRACK CIRCUIT PSO 4000

Train Detection Frequency SMTC EGI Code TD0736

Item Description 1 Location + Enclosure + Equipment Name

Item Description 2 TRACK CIRCUIT SMTC

Examples	Item Description 1	Item Description 2
	HBJ 104.2 LOC 45AT	TRACK CIRCUIT SMTC
	HBJ HJ RR 104.9BT	TRACK CIRCUIT SMTC

Train Detection Frequency IPITC EGI Code TD0737

Item Description 1 Location + Enclosure + Equipment Name

Item Description 2 TRACK CIRCUIT IPITC

Item Description 1	Item Description 2
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APPENDIX A – Equipment Description Details & Examples

Examples	HBJ 104.2 LOC 45AT	TRACK CIRCUIT IPITC
	HBJ HJ RR 104.9BT	TRACK CIRCUIT IPITC

Train Detection Frequency AFTAC Model 2 EGI Code TD0738

Item Description 1 Location + Enclosure + Equipment Name

Item Description 2 TRACK CIRCUIT AFTAC MODEL 2

Examples	Item Description 1	Item Description 2
	HBJ 104.2 LOC 45AT	TRACK CIRCUIT AFTAC MODEL 2
	HBJ HJ RR 104.9BT	TRACK CIRCUIT AFTAC MODEL 2

Train Detection Frequency FS2500 EGI Code TD0739

Item Description 1 Location + Enclosure + Equipment Name

Item Description 2 TRACK CIRCUIT FS2500

Examples	Item Description 1	Item Description 2
	HBJ 104.2 LOC 45AT	TRACK CIRCUIT FS2500
	HBJ HJ RR 104.9BT	TRACK CIRCUIT FS2500

Train Detection Axle Counter ACS2000 EGI Code TD0741

Item Description 1 Location + Enclosure + Equipment Name

Item Description 2 AXLE COUNTER ACS2000

Examples	Item Description 1	Item Description 2
	HBJ 104.2 LOC 45AT	AXLE COUNTER ACS2000
	HBJ HJ RR 104.9BT	AXLE COUNTER ACS2000

Train Detection Axle Counter FADC R1 EGI Code TD0742

Item Description 1 Location + Enclosure + Equipment Name

Item Description 2 AXLE COUNTER FADC

Examples	Item Description 1	Item Description 2
	HBJ 104.2 LOC 45AT	AXLE COUNTER FADC R1
	HBJ HJ RR 104.9BT	AXLE COUNTER FADC R2

Train Detection Treadle Mechanical EGI Code TD0751

Item Description 1 Location + Enclosure + Equipment Name

Item Description 2 TREADLE MECHANICAL

Item Description 1	Item Description 2
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APPENDIX A – Equipment Description Details & Examples

Examples	HBJ 104.2 LOC 45AT	TREADLE MECHANICAL
	HBJ HJRR 104.9BT	TREADLE MECHANICAL

Train Detection Coded Microtrax EGI Code TD0761

Item Description 1 Location + Enclosure + Equipment Name

Item Description 2 TRACK CIRCUIT CODED MICROTRAX

Examples	Item Description 1	Item Description 2
	HBJ 104.2 LOC 45AT	TRACK CIRCUIT CODED MICROTRAX
	HBJ HJ RR 104.9BT	TRACK CIRCUIT CODED MICROTRAX

Train Detection Coded Electrocode 4 EGI Code TD0762

Item Description 1 Location + Enclosure + Equipment Name

Item Description 2 TRACK CIRCUIT CODED ELECTROCODE 4

Examples	Item Description 1	Item Description 2
	HBJ 104.2 LOC 45AT	TRACK CIRCUIT CODED ELECTROCODE 4
	HBJ HJ RR 104.9BT	TRACK CIRCUIT CODED ELECTROCODE 4

Train Detection Coded Electrocode 5 EGI Code TD0763

Item Description 1 Location + Enclosure + Equipment Name

Item Description 2 TRACK CIRCUIT CODED ELECTROCODE 5

Examples	Item Description 1	Item Description 2
	HBJ 104.2 LOC 45AT	TRACK CIRCUIT CODED ELECTROCODE 5
	HBJ HJ RR 104.9BT	TRACK CIRCUIT CODED ELECTROCODE 5

Train Detection Coded Geo EGI Code TD0764

Item Description 1 Location + Enclosure + Equipment Name

Item Description 2 TRACK CIRCUIT CODED GEO

Examples	Item Description 1	Item Description 2
	HBJ 104.2 LOC 45AT	TRACK CIRCUIT CODED GEO
	HBJ HJ RR 104.9BT	TRACK CIRCUIT CODED GEO

Train Detection Predictor GCP 3000 (Non Mon) EGI Code TD0771

Item Description 1 Location + Enclosure + Equipment Name

Item Description 2 TRACK CIRCUIT PREDICTOR GCP 3000 (NON MON)



APPENDIX A – Equipment Description Details & Examples

	Item Description 1	Item Description 2
Examples	HBJ 104.2 LOC GCP TRK 1	TRACK CIRCUIT PREDICTOR GCP 3000 (NON MON)
	HBJ HJ RR GCP TRK 2	TRACK CIRCUIT PREDICTOR GCP 3000 (NON MON)

Train Detection Predictor GCP 3000 EGI Code TD0772

Item Description 1 Location + Enclosure + Equipment Name

Item Description 2 TRACK CIRCUIT PREDICTOR GCP 3000

	Item Description 1	Item Description 2
Examples	HBJ 104.2 LOC GCP TRK 1	TRACK CIRCUIT PREDICTOR GCP 3000
	HBJ HJ RR GCP TRK 2	TRACK CIRCUIT PREDICTOR GCP 3000

Train Detection Predictor GCP 4000 (Non Mon) EGI Code TD0773

Item Description 1 Location + Enclosure + Equipment Name

Item Description 2 TRACK CIRCUIT PREDICTOR GCP 4000 (NON MON)

	Item Description 1	Item Description 2
Examples	HBJ 104.2 LOC GCP TRK 1	TRACK CIRCUIT PREDICTOR GCP 4000 (NON MON)
	HBJ HJ RR GCP TRK 2	TRACK CIRCUIT PREDICTOR GCP 4000 (NON MON)

Train Detection Predictor GCP 4000 EGI Code TD0774

Item Description 1 Location + Enclosure + Equipment Name

Item Description 2 TRACK CIRCUIT PREDICTOR GCP 4000

	Item Description 1	Item Description 2
Examples	HBJ 104.2 LOC GCP TRK 1	TRACK CIRCUIT PREDICTOR GCP 4000
	HBJ HJ RR GCP TRK 2	TRACK CIRCUIT PREDICTOR GCP 4000

Train Detection Predictor HXP-3 EGI Code TD0775

Item Description 1 Location + Enclosure + Equipment Name

Item Description 2 TRACK CIRCUIT PREDICTOR HXP-3

	Item Description 1	Item Description 2
Examples	HBJ 104.2 LOC XP TRK 1	TRACK CIRCUIT PREDICTOR HXP-3
	HBJ HJ RR XP TRK 2	TRACK CIRCUIT PREDICTOR HXP-3

Train Detection Predictor XP-4 EGI Code TD0775

Item Description 1 Location + Enclosure + Equipment Name

APPENDIX A – Equipment Description Details & Examples

Item Description 2 TRACK CIRCUIT PREDICTOR XP-4

Examples	Item Description 1	Item Description 2
	HBJ 104.2 LOC XP TRK 1	TRACK CIRCUIT PREDICTOR XP-4
	HBJ HJRR XP TRK 2	TRACK CIRCUIT PREDICTOR XP-4

Train Detection Guage Detector TURCK EGI Code TD0776

Item Description 1 Location + Enclosure + Equipment Name

Item Description 2 TRACK CIRCUIT GUAGE DETECTOR TURCK

Examples	Item Description 1	Item Description 2
	HBJ 104.2 LOC 45AT	TRACK CIRCUIT GUAGE DETECTOR TURCK
	HBJ HJRR 104.9BT	TRACK CIRCUIT GUAGE DETECTOR TURCK

Train Detection TPWS EGI Code TD0791

Item Description 1 Location + Enclosure + Equipment Name

Item Description 2 TRACK CIRCUIT TPWS

Examples	Item Description 1	Item Description 2
	HBJ 104.2 LOC 45AT	TRACK CIRCUIT TPWS
	HBJ HJRR 104.9BT	TRACK CIRCUIT TPWS

Train Authority Systems

Train Authority System EGI Code TA0801

Item Description 1 Location + Enclosure + Equipment Name

Item Description 2 TOKEN BLOCK TRAIN STAFF

Examples	Item Description 1	Item Description 2
	MIT MITTAGONG JCT TO BRAEMER	TOKEN BLOCK TRAIN STAFF RED
	TON THORNTON TO BLOOMFIELD	TOKEN BLOCK TRAIN STAFF BLUE

Power Supply

Note 1: The following abbreviations are to be used in Description 1 for consistency.

- Normal – NORM
- Emergency - EMERG

Note 2: AC Mains (EGI PO0901) covers the points from the energy authority including the switch board and cable through to the first TX exclusive.



APPENDIX A – Equipment Description Details & Examples

Note 3: AC transformed EGI (EGI PO0902) can be used to cover equipment from the transformer inclusive to the DB board or Bus. The following options are available for TYPE in Power Supply AC Transformed if there are multiple TX's supplying DB's or Bus's with different functions.

- SIGNALS
- POINTS
- LXING
- MAINS
- LOCAL

Note 4: The following abbreviations are to be used in Description 1 for consistency.

- Internal – INT
- External – EXT
- Microlok – MLK

Power Supply AC Mains		EGI Code PO0901
Item Description 1	Location + Enclosure + MAINS + Voltage + Type (NORM or EMERG)	
Item Description 2	POWER SUPPLY AC MAINS	
Examples	Item Description 1	Item Description 2
	MET MT33 LOC MAINS 240V NORM HXM 168P LOC MAINS 415V NORM	POWER SUPPLY AC MAINS POWER SUPPLY AC MAINS
Power Supply AC Transformed		EGI Code PO0902
Item Description 1	Location + Enclosure + Voltage + TX Size + Type	
Item Description 2	POWER SUPPLY AC TRANSFORMED	
Examples	Item Description 1	Item Description 2
	MET MT33 LOC 120V 5KVA SIGNALS HXM HJRR 120V 3KVA POINTS	POWER SUPPLY AC TRANSFORMED POWER SUPPLY AC TRANSFORMED
Power Supply Motor Generator		EGI Code PO0911
Item Description 1	Location + Enclosure + Voltage + Generator Size + Type (NORM or EMERG)	
Item Description 2	POWER SUPPLY MOTOR GENERATOR	
Examples	Item Description 1	Item Description 2
	MET MT33 LOC 240V 10KVA EMERG HXM HJRR 415V 22KVA EMERG	POWER SUPPLY MOTOR GENERATOR POWER SUPPLY MOTOR GENERATOR
Power Supply UPS		EGI Code PO0921
Item Description 1	Location + Enclosure + Voltage + UPS Size + (Name if needed) + UPS	
Item Description 2	POWER SUPPLY UPS	
Examples	Item Description 1	Item Description 2
	MET MT33 LOC 120V 3KVA UPS	POWER SUPPLY UPS



APPENDIX A – Equipment Description Details & Examples

HXM HJRR 120V 6KVA EAST UPS

POWER SUPPLY UPS

Power Supply DC Battery Backup LX No Mon			EGI Code PO0931
Item Description 1	Location + Enclosure + Equipment Name + CHARGER		
Item Description 2	POWER SUPPLY DC BATTERY BACKUP LX NON MON		
Examples	Item Description 1	Item Description 2	
	MET MT33 LOC LX CRAGG CHARGER	POWER SUPPLY DC BATTERY BACKUP LX NON MON	
	HXM HJ RR LX STORE 74 CHARGER	POWER SUPPLY DC BATTERY BACKUP LX NON MON	

Power Supply DC Battery Backup			EGI Code PO0932
Item Description 1	Location + Enclosure + Voltage + Supply Name + Channel Number		
Item Description 2	POWER SUPPLY DC BATTERY BACKUP		
Examples	Item Description 1	Item Description 2	
	MET MT33 LOC 12V PS MLK CH2	POWER SUPPLY DC BATTERY BACKUP	
	HXM HJ RR 15V PS LAMP CH1	POWER SUPPLY DC BATTERY BACKUP	

Power Supply DC Battery Backup LX Mon			EGI Code PO0933
Item Description 1	Location + Enclosure + Equipment Name + CHARGER		
Item Description 2	POWER SUPPLY DC BATTERY BACKUP LX MON		
Examples	Item Description 1	Item Description 2	
	MET MT33 LOC LX CRAGG CHARGER	POWER SUPPLY DC BATTERY BACKUP LX MON	
	HXM HJ RR LX STORE 74 CHARGER	POWER SUPPLY DC BATTERY BACKUP LX MON	

Power Supply DC Rectified			EGI Code PO0934
Item Description 1	Location + Enclosure + Voltage + Supply Name + Channel Number		
Item Description 2	POWER SUPPLY DC RECTIFIED		
Examples	Item Description 1	Item Description 2	
	MET MT33 LOC 15V MLK	POWER SUPPLY DC RECTIFIED	
	HXM HJ RR 50V EXT	POWER SUPPLY DC RECTIFIED	

Power Supply Solar Battery			EGI Code PO0941
Item Description 1	Location + Enclosure + Voltage + Supply Name		
Item Description 2	POWER SUPPLY SOLAR BATTERY		
	Item Description 1	Item Description 2	



APPENDIX A – Equipment Description Details & Examples

Examples	MET MT33 LOC 12V MLK HXM HJ RR 12V MLK	POWER SUPPLY SOLAR BATTERY POWER SUPPLY SOLAR BATTERY
Power Supply Wind Turbine		EGI Code PO0951
Item Description 1	Location + Enclosure + Voltage + Supply Name	
Item Description 2	POWER SUPPLY WIND TURBINE	
Examples	Item Description 1 MET MT33 LOC 12V MLK HXM HJ RR 12V MLK	Item Description 2 POWER SUPPLY WIND TURBINE POWER SUPPLY WIND TURBINE

Communications

Communication Vital Radio		EGI Code CM1001
Item Description 1	Location + Enclosure + Equipment Name	
Item Description 2	COMMS VITAL RADIO	
Examples	Item Description 1 MET MT33 LOC TRIO HXM HJ RR RUGGED COMM	Item Description 2 COMMS VITAL RADIO COMMS VITAL RADIO
Communication Radio satellite		EGI Code CM1002
Item Description 1	Location + Enclosure + Equipment Name	
Item Description 2	COMMS RADIO SATELLITE	
Examples	Item Description 1 MET MT33 LOC ITERRA HXM HJ RR ITERRA	Item Description 2 COMMS RADIO SATELLITE COMMS RADIO SATELLITE
Communication Non Vital Radio		EGI Code CM1003
Item Description 1	Location + Enclosure + Equipment Name	
Item Description 2	COMMS NON VITAL RADIO	
Examples	Item Description 1 MET MT33 LOC WB RADIO HXM HJ RR WB RADIO	Item Description 2 COMMS NON VITAL RADIO COMMS NON VITAL RADIO

Communication System		EGI Code CM1021
Item Description 1	Location + Enclosure + Equipment Name	
Item Description 2	COMMS SYSTEM	
	Item Description 1	Item Description 2

Examples	CLW CLW RR LOC COMMS EQUIPMENT	COMMS SYSTEM
	GLB COMMS RR COMMS EQUIPMENT	COMMS SYSTEM

Cable & Line Route

Note 1: *Signalling Cables – This covers all local cables (external) and all main cables that leave the location in the down (away from your capital city) direction up to the point of connection to the next location. One equipment number covers all the cables mentioned above for each enclosure. This equipment number holds the MST and is the parent for the associated equipment items.*

AEI – (Associated equipment items)

Each individual cable should be loaded as an AEI to the parent Signalling cables equipment number. The information loaded is the same as the fields required for parent signalling cable with the exception of the descriptions shown below.

if the cable is either less than 20 yrs old or monitored by an ELD or both the EGI to use is LR1102

If the cable is either greater than 20 yrs old and is not monitored by an ELD the EGI to use is LR1103

Note 2: *Cable Routes - This covers all local cable routes and all main cable routes that leave the location in the down (away from your capital city) direction up to the point of connection to the next location.*

Note 3: *Line Routes - This covers the start to finish km of continuous aerial line route. If there is a break or gap then a new asset is to be created.*

Note 4: *All internal location wiring is covered under the interlocking asset for that location. All equipment wiring is covered under the specific equipment class that the equipment belongs to.*

Signalling Cable		EGI Code LR1101
Item Description 1	Location + Enclosure + Equipment Name	
Item Description 2	SIGNALLING CABLES	
Examples	Item Description 1 MET MT40 LOC SIG CABLES HBJ HBJ RR SIG CABLES	Item Description 2 SIGNALLING CABLES SIGNALLING CABLES
AEI - Signal Cable		EGI Code LR1102 or LR1103
Item Description 1	Location + Enclosure + Cable Name	
Item Description 2	SIGNAL CABLE	
Examples	Item Description 1 HBJ RR 270.7 SIG CABLE GUR GC RD LOC LX CS BASE CABLE 1A BR RD EAST XING LOC OPTIC FIBRE CABLE 1 BR RD EAST XING LOC 151AT FEED CABLE BR RD EAST XING LOC 151AT RELAY CABLE GJN B PTS LOC BNW MLI PUSHBUTTON CABLE GJN B PTS LOC Q1 COUNTER HEAD CABLE	Item Description 2 SIGNAL CABLE

Cable Route	EGI Code LR1111
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APPENDIX A – Equipment Description Details & Examples

Item Description 1 Location + Enclosure + Equipment Name

Item Description 2 CABLE ROUTE

Examples	Item Description 1	Item Description 2
	MET MT55 LOC CABLE ROUTE	CABLE ROUTE
	TON TN RR CABLE ROUTE	CABLE ROUTE

Aerial & Pole Route EGI Code LR1121

Item Description 1 Parent Location + Equipment Name

Item Description 2 LINE POLE ROUTE

Examples	Item Description 1	Item Description 2
	MIT MITTAGONG JCT TO BRAEMER	LINE POLE ROUTE
	TON THORNTON TO BLOOMFIELD	LINE POLE ROUTE

Pole Inspection EGI Code LR1122

Item Description 1 Parent Location + Equipment Name

Item Description 2 POLE INSPECTION

Examples	Item Description 1	Item Description 2
	MIT MITTAGONG YARD POLE 1	POLE INSPECTION
	MIT MITTAGONG YARD POLE 2	POLE INSPECTION

Equipment Enclosures

Note 1: The Parent location of this asset only contains the location of the asset (3 letter version i.e. “GLB”) only. This is followed by the equipment name which is the location name.

Equipment Enclosures EGI Code EN1201

Item Description 1 Parent Location + Equipment Name

Item Description 2 EQUIPMENT ENCLOSURE WALK IN LOCATION
 EQUIPMENT ENCLOSURE CUPBOARD/BOX
 EQUIPMENT ENCLOSURE POWER ROOM
 EQUIPMENT ENCLOSURE CABLE TERMINATION
 EQUIPMENT ENCLOSURE COMMS ROOM
 EQUIPMENT ENCLOSURE RELAY ROOM

Examples	Item Description 1	Item Description 2
	HBJ HJ RR RELAY ROOM	EQUIPMENT ENCLOSURE RELAY ROOM
	HXM HJ168P LOCATION	EQUIPMENT ENCLOSURE POWER ROOM
	TON TN19 LOCATION	EQUIPMENT ENCLOSURE WALK IN LOCATION

Trainborne ATMS

TBA

Signal Kit - Test Equipment

Signal Kit – test Instruments		EGI Code EC5G01
Item Description 1	EGI + Provisioning Centre + Team No.	
Item Description 2	SIGNALS KIT	
Examples	Item Description 1	Item Description 2
	SIGKIT CASINO 01	SIGNALS KIT
	SIGKIT GOULBURN 04	SIGNALS KIT
Maintenance Gauges		EGI Code EC1502
Item Description 1	EGI + Provisioning Centre + Team No.	
Item Description 2	MAINTENANCE GAUGES	
Examples	Item Description 1	Item Description 2
	MAINT. GAUGE - CASINO 01	MAINTENANCE GAUGES
	MAINT. GAUGE - GOULBURN 04	MAINTENANCE GAUGES

Wayside

WSI Ground Slip Detector		EGI Code WS1601
Item Description 1	Location + Enclosure + Equipment Name	
Item Description 2	WSI – GROUND SLIP DETECTOR	
Examples	Item Description 1	Item Description 2
	HBJ 104.2 LOC SLIP DET. 1	GROUND SLIP DETECTOR
	HBJ HJ RR SLIP DET. 3	GROUND SLIP DETECTOR
WSI Rockfall Detector		EGI Code WS1602
Item Description 1	Location + Enclosure + Equipment Name	
Item Description 2	WSI – ROCKFALL DETECTOR	
Examples	Item Description 1	Item Description 2
	HBJ 104.2 LOC ROCKFALL DET. 1	ROCKFALL DETECTOR
	HBJ HJ RR ROCKFALL DET. 3	ROCKFALL DETECTOR
WSI Weather Station		EGI Code WS1603
Item Description 1	Location + Enclosure + Equipment Name	
Item Description 2	WSI – WEATHER STATION	
Examples	Item Description 1	Item Description 2
	HBJ 104.2 LOC WEATHER STATION	WEATHER STATION

APPENDIX A – Equipment Description Details & Examples

	HBJ HJ RR WEATHER STATION	WEATHER STATION	
WSI Pump Station			EGI Code WS1605
Item Description 1	Location + Enclosure + Equipment Name		
Item Description 2	WSI – PUMP STATION		
Examples	Item Description 1	Item Description 2	
	HBJ 104.2 LOC PUMP STATION	PUMP STATION	
	HBJ HJ RR PUMP STATION	PUMP STATION	
WSI Camera			EGI Code WS1606
Item Description 1	Location + Enclosure + Equipment Name		
Item Description 2	WSI – CAMERA		
Examples	Item Description 1	Item Description 2	
	HBJ 104.2 LOC CAMERA	CAMERA	
	HBJ HJ RR CAMERA	CAMERA	
WSR Hot Box Detector (HBD) with – DED			EGI Code WS1611
WSR Bearing Acoustic Monitor – (railBAM)			EGI Code WS1612
WSI Dragging Equipment Detector			EGI Code WS1613
Item Description 1	Location + Enclosure + Equipment Name		
Item Description 2	WSI – DRAGGING EQUIPMENT DETECTOR		
Examples	Item Description 1	Item Description 2	
	HBJ 104.2 LOC DED	DRAGGING EQUIPMENT DETECTOR	
	HBJ HJ RR DED	DRAGGING EQUIPMENT DETECTOR	
WSR Wheel Condition Monitor – (WCM)			EGI Code WS1614
WSR Wheel Profile Monitor – (WCM)			EGI Code WS1615
WSR Wheel Noise Detector – (Rail Squad)			EGI Code WS1616
WSR Bogie Monitor – (TBOGI)			EGI Code WS1617
WSI Weigh Bridge			EGI Code WS1618
Item Description 1	Location + Enclosure + Equipment Name		
Item Description 2	WSI – WEIGH BRIDGE		
Examples	Item Description 1	Item Description 2	
	HBJ 104.2 LOC WEIGH BRIDGE	WEIGH BRIDGE	

APPENDIX A – Equipment Description Details & Examples

	HBJ HJ RR WEIGH BRIDGE	WEIGH BRIDGE	
WSR Height Detector			EGI Code WS1619
Item Description 1	Location + Enclosure + Equipment Name		
Item Description 2	WSI – HEIGHT DETECTOR		
Examples	Item Description 1	Item Description 2	
	HBJ 104.2 LOC HEIGHT DET	HEIGHT DETECTOR	
	HBJ HJ RR HEIGHT DET	HEIGHT DETECTOR	

Right of Way

Right of Way is an asset assigned to cover the longitudinal length of a line segment. The engineer inspection and Signal sighting front of Rail Vehicle have standard jobs (service schedules) attached to this equipment. The below examples are for the standard jobs not the equipment description.

Engineer Inspection			Standard Job S17011
Task Description 1	EGI Description		
Item Description 2	Location 1 to 2 Location km 1 to km 2		
Examples			
Right of Way	Item Description 1	Item Description 2	
ROW JOPPA JCT – YASS	Signal Engineer Inspection	BREADALBANE - GUNNING 231.00 to 280.00	
ROW JOPPA JCT - YASS	Signal Engineer Inspection	OOLONG - JERRAWA 280.00 to 310.00	
Signal Engineer Signal Sighting			Standard Job S17012
Item Description 1	EGI Description		
Item Description 2	Location 1 to 2 Location km 1 to km 2		
Examples			
Right of Way (ROW) Description	Item Description 1	Item Description 2	
ROW KUNDABUNG - LAWRENCE RD	Signal Engineer Signal Sighting	Travelling Southbound LWR to KEM	
ROW GLENLEE JCT - MV JCT	Signal Engineer Signal Sighting	GLENLEE to MV - DOWN SIGNALS	