

## Standards Activity Report: November 2020

This activity report lists updates to standards published by the Asset Standards Authority during November 2020.

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Reference number	Title	Discipline	Version	Date issued or withdrawn	Comments
T MU AM 02002 TI	Asset Classification System	Asset Management	1.49	2/11/2020	Revision.
PTA EL226 2020	Low voltage isolating transformer	Electrical	1.0	5/11/2020	Electrical Type Approval. New issue.
TS TOC 4	Train Operating Conditions (TOC) Manual - Road rail vehicle data	Rolling stock	13.0	6/11/2020	Revision.
ESB 003	Station Functional Spaces	Stations & Buildings	1.1	10/11/2020	Technical note TN 017: 2020 added
T HR EL 10001 ST	HV Aerial Line Standards for Design and Construction	Electrical	2.0	10/11/2020	Technical note TN 020: 2020 added
TS TOC 4	Train Operating Conditions (TOC) Manual - Road rail vehicle data	Rolling stock	14.0	13/11/2020	Revision.
T HR EL 17002 SP	Low Voltage Isolating Transformer	Electrical	1.0	18/11/2020	Technical note TN 021: 2020 added
TS TOC 4	Train Operating Conditions (TOC) Manual - Road rail vehicle data	Rolling stock	15.0	20/11/2020	Revision.
T MU MD 00006 ST	Engineering Drawings and CAD Requirements	CAD	4.0	24/11/2020	Technical note TN 022: 2020 added
T MU MD 00006 TI	Technical Information for CAD and Engineering Drawings	CAD	1.0	24/11/2020	Technical note TN 022: 2020 added
T HR EL 12005 ST	Bonding for 1500 V DC Traction Systems	Electrical	1.0	26/11/2020	New Issue. Supersedes EP 00 00 00 08 SP v3.1, EP 12 10 00 13 SP v3.0, EP 12 20 00 01 SP v3.0, TN 016: 2015
EP 00 00 00 08 SP	Safe Limits of DC Voltages	Electrical	3.1	26/11/2020	Superseded by T HR EL 12005 ST v1.0
EP 12 10 00 13 SP	1500 V Traction System Earthing	Electrical	3.0	26/11/2020	Superseded by T HR EL 12005 ST v1.0

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EP 12 20 00 01 SP	Bonding of Overhead Wiring Structures to Rail	Electrical	3.0	26/11/2020	Superseded by T HR EL 12005 ST v1.0
TN 016: 2015	Overbridges and footbridges – Earthing and bonding requirements	Electrical	1.0	26/11/2020	Superseded by T HR EL 12005 ST v1.0
T HR EL 19001 ST	Protection System Requirements for the 1500 V DC Network	Electrical	1.0	26/11/2020	New Issue. Supersedes EP 19 00 00 01 SP v3.1
EP 19 00 00 01 SP	DCCB and Delta I Relay Setting Calculation Method	Electrical	3.1	26/11/2020	Superseded by T HR EL 19001 ST v1.0
T HR EL 19002 ST	Protection System Requirements for the High Voltage Network	Electrical	1.0	26/11/2020	New Issue. Supersedes EP 19 00 00 02 SP v4.1
EP 19 00 00 02 SP	Protection System Requirements for the High Voltage Network	Electrical	4.1	26/11/2020	Superseded by T HR EL 19002 ST v1.0
T MU AM 01015 ST	Transport Service Provider Asset Management Reporting Standard	Asset Management	1.0	27/11/2020	New Issue. Supersedes TSP AMRS 1 v1.0
TSP AMRS 1	Transport Service Provider Asset Management Reporting Standard	Asset Management	1.0	27/11/2020	Superseded by T MU AM 01015 ST v1.0
TS TOC 4	Train Operating Conditions (TOC) Manual - Road rail vehicle data	Rolling stock	16.0	27/11/2020	Revision.
T HR RS 20004 ST	Risk Assurance for Distributed Power Freight Trains	Rolling stock	1.0	27/11/2020	New issue.
PTA EL235 2020	Screened 1C 400 sq mm 19/33 kV application in accordance with T HR EL 20001 ST v2.0	Electrical	1.0	30/11/2020	Electrical Type Approval. New issue.
PTA EL236 2020	Screened 1C 500 sq mm 19/33 kV application in accordance with T HR EL 20001 ST v2.0	Electrical	1.0	30/11/2020	Electrical Type Approval. New issue.
PTA EL237 2020	Screened 1C 630 sq mm 19/33 kV application in accordance with T HR EL 20001 ST v2.0	Electrical	1.0	30/11/2020	Electrical Type Approval. New issue.
PTA EL238 2020	Screened 3C 150 sq mm 19/33 kV application in accordance with T HR EL 20001 ST v2.0	Electrical	1.0	30/11/2020	Electrical Type Approval. New issue.
PTA EL239 2020	Screened 3C 300 sq mm 19/33 kV with LSOH sheath application in accordance with T HR EL 20001 ST v2.0	Electrical	1.0	30/11/2020	Electrical Type Approval. New issue.



Reference number	Title	Discipline	Version	Date issued or withdrawn	Comments
PTA EL240 2020	Screened 3C 300 sq mm 19/33 kV application in accordance with T HR EL 20001 ST v2.0	Electrical	1.0	30/11/2020	Electrical Type Approval. New issue.

Authorised for release by:

Director Network Standards and Services  
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