	Standard	Asset Management
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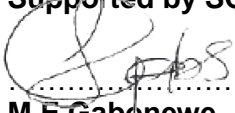
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1. INTRODUCTION

This Standard defines and classifies all plant technical documentation created and mastered within the Generation (Gx) Division, including definitions and supportive information per documentation kind. The Standard supports alignment with the Corporate's document definitions as per 32-9: Definition of Eskom documentation [3], compliance with ISO9001 requirements and meeting world-class best practices.

In order to differentiate from 32-9: Definition of Eskom Documentation and the specified Document Types, this standard will use the term Document Kind as per IEC 61355.

2. SUPPORTING CLAUSES

2.1 SCOPE

The scope of this Standard is to standardise all the plant technical documentation types used in the Generation Division (Gx) within Eskom.

2.1.1 Purpose

The purpose of the Standard is to identify and describe the different plant technical document kinds created and mastered, based on the International Standard IEC 61355 [8], but maintaining alignment with Eskom wide document types as published under 32-9 Definition of Eskom documentation [3]. It further purports to meet the requirements for Master-data approval, as applied in Eskom and the Power Utility engineering environment.

2.1.2 Applicability

This document shall apply in the Generation (Gx) Division.

2.2 NORMATIVE/INFORMATIVE REFERENCES

Parties using this document shall apply the most recent edition of the documents listed in the following paragraphs.

2.2.1 Normative

- [1] ISO 9001: Quality Management Systems – Requirements
- [2] 32-1: Eskom Document and Record policy
- [3] 32-9: Definition of Eskom documentation
- [4] 32-644: Eskom Documentation management standard
- [5] 240-53114186 Project/Plant Specific Document & Record Management Procedure
- [6] 32-1216: Process Control Manual for Manage Documents and Records
- [7] 240-122888562: Register and Revise Technical Documents Work Instruction
- [8] 240-122887708: Support Documentation Review and Authorisation Work Instruction
- [9] 240-122886108: Control and Management of Technical Records Work Instruction
- [10] 240-122887026: Transmittal Management for Technical Documentation Work Instruction

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2.2.2 Informative

- [11] ISO 9000 Quality Management Systems – Fundamentals and vocabulary
- [12] IEC 61355-1:2008 (Second Edition) Classification and designation of documents for plants, systems and equipment – Part 1: Rules and classification tables
- [13] IEC 61355 DB the present database, providing brief definitions of a set of internationally standardized document kinds, including requirements on the contents of information, references to appropriate sources and the applicable classification in accordance with IEC 61355-1
- [14] ISO 7200: Technical product documentation — Data fields in title blocks and document headers

2.3 DEFINITIONS

Definition	Description
Document Kind	Type of document defined with respect to its specified content of information and form of presentation. IEC 61355-1:2008 [12]
Document Kind Class	Group of document kinds having similar characteristics concerning the content of information independent of the form of presentation. IEC 61355-1:2008 [12]
Document Type	The classification of documentation used in Eskom. Document types can only be allocated according to 32-9: Definition of Eskom documents
Governance Documents	Governance Documents - means documents that set direction and policy, defining authority and responsibility and describe controls and rules for a given process or set of activities
Technical Documentation	<p>Technical Documentation – means various documents with product-related data and information that are used and stored. The data and information intended include matters of product definition and specification, design, manufacturing, quality assurance, product liability, product presentation; description of features, functions and interfaces; safe and correct use; service and repair of a technical product as well as its safe disposal.</p> <p>Excludes –</p> <ul style="list-style-type: none">• Project execution documents (i.e. schedules, project management, etc.)• Governance documents• General Business documents.

2.3.1 Disclosure Classification

Controlled disclosure: controlled disclosure to external parties (either enforced by law, or discretionary).

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2.4 ABBREVIATIONS

Abbreviation	Description
AG	Agreement
AR	Authorisations and Approvals [3]
AS	Assessment [3]
AV	Audio Visual [3]
CN	Contract [3]
CR	Correspondence [3]
CS	List/Check list [3]
CT	Certificate [3]
DCC	Classification of the document in accordance with IEC 61355-1 [12]
DR	Directive [3]
DRM	Documents and Records Management [3]
DS	Data file [3]
DW	Drawing [3]
EDMS	Electronic documentation management system
FM	Form [3]
GL	Guideline [3]
IECIS	International Electro-technical Commission
IS	Instruction [3]
LG	Log [3]
LR	Lifetime Records [5]
LS	Legislation [3]
MN	Manual [3]
MT	Meeting [3]
NP1	Non-Permanent Class 1 Require access for 12 months [5]
NP3	Non-Permanent Class 1 Require access for 3 years [5]
NP5	Non-Permanent Class 1 Require access for 5 years [5]
NP10	Non-Permanent Class 1 Require access for 10 years [5]
NP15	Non-Permanent Class 1 Require access for 15 years [5]
OG	Organisational Structure [3]
PB	Publication [3]
PC	Procedure/Process [3]
PF	Profile [3]
PL	Policy [3]
PM	Process Map [3]
PN	Plan [3]
PP	Position Paper [3]
PR	Presentation
RG	Register [3]

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Abbreviation	Description
RP	Report [3]
SD	Source Code [3]
SG	Strategy [3]
SN	SN - Statement [3]
SP	SP - Specification [3]
SPO	SmartPlant Enterprise for Owner Operators
ST	Standard [3]
TE	Template [3]
TR	Terms of Reference [3]

2.5 ROLES AND RESPONSIBILITIES

Please refer to 240-53114186: Document & Record Management Procedure [5] for the details regarding the responsibilities and duties of various roles related to documentation classification / kind selection.

2.6 PROCESS FOR MONITORING

Compliance to the procedure will be monitored through DRM compliance audits and self-assessments.

2.7 RELATED/SUPPORTING DOCUMENTS

Nil

3. DOCUMENT CLASSIFICATION AND DESIGNATION

3.1 NON-TECHNICAL DOCUMENTATION

Certain documents have been identified as governance documents, namely Policy, Directive, Standard and Works Instruction. These document types have specific requirements, including review and approval structures e.g. Governance Technical Committee to inter alia ensure normalisation across the Enterprise before final authorisation.

See 240-53114186: Document & Record Management Procedure [5] and 32-9: Definition of Eskom documentation [3] for further details regarding governance and other general business documentation classification / types and criteria. Such governance documents are NOT mastered nor managed in the The Eskom approved engineering information management system.

3.2 TECHNICAL DOCUMENTATION

All documentation created within the engineering environment that are mastered and managed within the SPO application can only be selected from Appendix A: Classification and Designation of Technical Documentation.

Refer to the IEC 61355 DB (<http://std.iec.ch/iec61355/iec61355.nsf/Welcome?OpenPage>) for more detail regarding each of the document kinds that would assist with classification of the respective technical documents.

The draftsman/compiler of a document is responsible for obtaining the correct classification / type based on the purpose and context of the documentation being developed or classified.

The document kinds are intended for use in documentation of different kinds of products, systems and installations and at different levels of detail of the provided information.

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It should be noted that even though the Basic Elements and Generic Composites category has been included in the standard for completeness, they should only be selected when no other suitable match exist (i.e. temporary placeholder). These documents will then be reclassified in future once a suitable classification is created.

The deviations to IEC 61355:2008 and the reasoning for the deviations are provided in Appendix B-D.

3.2.1 Technical Areas

The entry "Technical Areas" indicates for which kind(s) of technical areas a document kind mainly is intended and serves as a means for searching.

The letter codes presented refer to the designation of "Technical areas" and may be used as prefix to the DCC for document designation purposes. Basically any two-letter DCC may be combined with any technical area designation. A document kind from the application area "management" may, for example, be assigned to the technical area "overall management" if used in cross-technical area situations. In other cases, it may be assigned to "electrical engineering" if only management within this technical area is addressed.

The defined application areas are:

- A (overall) management
- B (overall) technology
- C construction engineering
- E electrical engineering
- M mechanical engineering
- P process engineering

Rules for the application of the document kinds are generally contained in IEC 61355-1. The following paragraphs contain a few of the basic application rules from this standard. For further guidance on the use of document kinds/preparation of diagrams, please refer to IEC 61355-1.

3.2.2 Naming conventions of document kinds and documents

The following rules are provided in IEC 61355-1. The name associated to a document kind should characterize the information provided in a document. For this purpose, the following should be considered:

- the kind of information contained;
- the purpose (if there is a clear purpose identified for the document kind);
- the form of presentation.

Examples:

1. connection diagram
 - kind of information: information on connections
 - purpose: not specified (many purposes possible)
 - form of presentation: diagram
2. maintenance instruction
 - kind of information: instruction on activities

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- purpose: for maintenance activities
 - form of presentation: not specified (different forms are possible)
3. requirement specification
- kind of information: specification on requirements on an object
 - purpose: not specified but implicitly there
 - form of presentation: not specified (different forms are possible)

The naming of document kinds according to the “kind of information” and “form of presentation” is preferred whenever possible (see first example). This is in most cases possible for documents that use a single kind of presentation and for which the content of information can be expressed by a single term.

The object to which the document is related should not be part of the document kind name (a deprecated name is for example: motor connection table). The name of the object should be specified by the title of the document, for example:

Document kind name: Connection table

Document title: Motor drive of belt 1

Document kind name and document title should be kept separated but may both be presented close together for example in the title block of a document according to ISO 7200: Technical product documentation — Data fields in title blocks and document headers [14].

In document management systems the document kind name and the title should be two separate metadata entries (data fields). For further information, please refer to IEC 82045-1 and -2.

The database contains one group of document kinds called “Elementary document kinds”, marked with an X in the beginning of the name, and another called “Generic document kinds”, marked with XXX in the beginning of the name.

An elementary document kind has a homogeneous form of presentation (e.g. diagram, table). It corresponds to the “form of presentation” mentioned above.

A generic document kind is a kind of document (e.g. Report, Description, Specification) that can be used in its generic form or be specialised (e.g. Transport instruction, Requirement specification), by a suitable specialising addition.

4. SUPPORTING CLAUSES.

This standard supports compliance to the 240-53114186 Project/Plant Specific Document & Record Management Procedure [5] as applicable to engineering documentation.

5. AUTHORISATION

This document has been seen and accepted by:

Name & Surname	Designation
Anthony Mashabane	Manager: Majuba Design & Specifications
Bandile Mnguni	Manager: Tutuka Design & Specifications
Nitesh Rabikrisson	Manager: Grootvlei Design & Specifications
Rudi Sono	Manager: Hendrina Design & Specifications
Selaelo Kobe	Manager: Arnot Design & Specifications
Nombuyiselo Molosiwa	Manager: Lethabo Design & Specifications
Elaine Van Der Westhuizen	Manager: Medupi Design & Specifications
Mpho Rikhotso	Manager: Matimba Design & Specifications
Olof Nel	Manager: Duvha Design & Specifications
Nomfundo Mtshali	Manager: Kendal Design & Specifications
Ettienne van Zyl	Manager: Matla Design & Specifications
Pieter Schimper	Manager: Kriel Design & Specifications
Joseph Ngqendesha	Manager: Kusile Design & Specifications
Thevan Pillay	Manager: Komati Design & Specifications
Sydney Cyster	Manager: Nuclear Design & Specifications
Abdul Gire	Manager: Peaking Design & Specifications
Riekie Swanepoel	Chief Technologist : Gx Maintenance
Cyril De Beer	Chief Engineer: Gx Maintenance
Grace Olukune	Chief Engineer: Kusile Project
Leon Fourie	Group IT: Smartplant CoC
Felix Bosch	Manager: Engineering Knowledge and Documentation Management

6. REVISIONS

Date	Rev.	Compiler	Remarks
September 2012	0.1	K Elliot	New standard for Engineering documentation types
October 2012	0.2	K Elliot	Corrected titles added definitions
July 2013	0.3	SJ Barnard	<p>Aligned with the IEC 61355-1:2008 (Second Edition) Classification and designation of documents for plants, systems and equipment - Part 1: Rules and classification and the IEC 61355 DB tables, while still maintaining the mapping to 32-9 document types.</p> <p>Included mapping to:</p> <ul style="list-style-type: none"> • Technical Documentation • Revisable Document • Default Retention Period • Default Owning Group (Security Classification) <p>Included more details and examples of how the classification works</p>

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Date	Rev.	Compiler	Remarks
			Aligned the title to DRM standards and IEC terminology
July 2013	1	SJ Barnard	Final Document for Authorisation and Publication
October 2016	1.1	G Olukune	Updated with Project Document IEC requirements and Eskom SPO Build 32-35 updates.
March 2017	1.2	G Olukune	Updated Document and Appendix A with Review Comments.
March 2017	2	G Olukune	Final Rev 2 Document for Authorisation and Publication
February 2021	2.1	B Lesejane	Document expired and required new date, document aligned to Eskom Gx reporting structure
April 2021	2.2	B Lesejane	Final Draft send for Comments Review Process
May 2021	2.3	B Lesejane	Comments received incorporated, Final Draft Document
June 2021	2.4	B Lesejane	Final Draft returned for additional front page Updates
June 2021	2.5	B Lesejane	Final Draft after updates completed
June 2021	3	B Lesejane	Final Rev 3 Document for Authorisation and Publication

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A	Documentation-describing Documents	Document Kind Class (DCC) L2 Unique Identifier	Document Kind Class (DCC) L2 Description	Document Kind Class (DCC) L3 Unique Identifier	Document Kind Class (DCC) L3 Unique Description	Document Kind Class (DCC) L4 Unique Identifier	Document Kind Class (DCC) L4 Description	IEC Definitions	Technical Area							Default Owning Group	Documentation Type	Retention Period	Revisable Document	Technical Document	Project Document						
									A Overall Management	B Overall Technology	C Construction Engineering (building construction and civil engineering)	E Electro technology (including control, information and communication techniques)	M Mechanical Engineering	P Process Engineering													
	Documentation-describing Documents	AA	Administrative Documents	D00021	Cover Sheet	Document preceding a document set which provide general information about its contents: – Title of document (set); – Reference designation of document set; – Reference to other document sets; – Information on validity; – Information on status; – Information on purpose;						D	X	X	X	X	X	Controlled Disclosure	CS	LR	X	X					
						AB	Lists (Regarding Documents)	D00022	List of Documents	Formalized list of the contents of a document set or a documentation.						D	X	X	X	X	X	Controlled Disclosure	CS	LR		X	X
										D00023	List of Contents	Summary of the subject-matter of a document or a documentation						D	X	X	X	X	X	Controlled Disclosure	CS	LR	X

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							A Overall Management	B Overall Technology	C Construction Engineering (building construction and civil engineering)	E Electro technology (including control, information and communication techniques)	M Mechanical Engineering	P Process Engineering						
		AC	Explanatory Documents	D00130	Main Document	Document representing an object and containing or referring to the complete information on the object. Being main document is a role of a document. The document kind on which it is based is normally Parts list, List of documents or Component drawing.	D	X	X	X	X	X	Controlled Disclosure	CS	LR	X	X	X
				D00132	Document Description	Document providing information and guidance on how to read and use a given documentation. (Description not standardized)	D	X	X	X	X	X	Controlled Disclosure	GL	LR	X	X	X
				D00133	Documentation Structure Diagram	Structure diagram for a documentation system.	D	X	X	X	X	X	Controlled Disclosure	GL	LR	X	X	X
		BA	Registers	D00134	Vendor List	Standard Description Under Development	D						Controlled Disclosure	CS	NP5	X		X

Document Kind Class (DCC) L2 Unique Identifier	Document Kind Class (DCC) L2 Description	Document Kind Class (DCC) L3 Unique Identifier	Document Kind Class (DCC) L3 Unique Description	Document Kind Class (DCC) L4 Unique Identifier	Document Kind Class (DCC) L4 Description	IEC Definitions	Technical Area						Default Owning Group	Documentation Type	Retention Period	Revisable Document	Technical Document	Project Document
							A Overall Management	B Overall Technology	C Construction Engineering (building construction and civil engineering)	E Electro technology (including control, information and communication techniques)	M Mechanical Engineering	P Process Engineering						
BB			Reports	D00137	Meeting Report	Standard Description Under Development	D	X	X	X	X	X	Controlled Disclosure	RP	LR		X	X
				D00138	Status Report	Standard Description Under Development	D	X	X	X	X	X	Controlled Disclosure	RP	LR		X	X
				D00139	Technical Report (Management)	Standard Description Under Development		D	X	X	X	X	Controlled Disclosure	RP	LR	X	X	X
				D00140	Damage Report	Standard Description Under Development	D	X	X	X	X	X	Controlled Disclosure	RP	LR	X	X	

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							A Overall Management	B Overall Technology	C Construction Engineering (building construction and civil engineering)	E Electro technology (including control, information and communication techniques)	M Mechanical Engineering	P Process Engineering						
BC				D00141	Installation Report	Standard Description Under Development	D	X	X	X	X	X	Controlled Disclosure	RP	LR	X	X	
				D00142	Commissioning Report	Standard Description Under Development	D	X	X	X	X	X	Controlled Disclosure	RP	LR	X	X	
				D00143	Handing Over Protocol	Standard Description Under Development	D	X	X	X	X	X	Controlled Disclosure	RP	NP5	X	X	
		Correspondence		D00144	Letter	Standard Description Under Development	D	X	X	X	X	X	Controlled Disclosure	CR	LR			X

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							A Overall Management	B Overall Technology	C Construction Engineering (building construction and civil engineering)	E Electro technology (including control, information and communication techniques)	M Mechanical Engineering	P Process Engineering						
				D00145	Note	Standard Description Under Development	D	X	X	X	X	X	Controlled Disclosure	CR	NP5			X
	BD	Project Control Documents		D00024	Document Interchange List	List of documents to be prepared, delivered or exchanged.	D	X	X	X	X	X	Controlled Disclosure	CS	LR		X	X
	BE	Resource Planning Documents		D00025	Time Schedule	Relationship between activities and time-period.	D						Controlled Disclosure	CS	NP3	X		X

Document Kind Class (DCC) L2 Unique Identifier	Document Kind Class (DCC) L2 Description	Document Kind Class (DCC) L3 Unique Identifier	Document Kind Class (DCC) L3 Unique Description	Document Kind Class (DCC) L4 Unique Identifier	Document Kind Class (DCC) L4 Description	IEC Definitions	Technical Area						Default Owning Group	Documentation Type	Retention Period	Revisable Document	Technical Document	Project Document
							A Overall Management	B Overall Technology	C Construction Engineering (building construction and civil engineering)	E Electro technology (including control, information and communication techniques)	M Mechanical Engineering	P Process Engineering						
	BF		Dispatch, Storage & Transport Documents	D00026	Activity Network Plan	Relationship and dependencies between activities.	D						Controlled Disclosure	PN	NP5	X	X	X
				D00028	Storage Specification	Information required for storage of goods on site for preparation of transportation, e.g.: – Transport weight; – Number and kind of packages; – Dimensions; – Lifting heights; – Places of lifting and hauling lugs; – Centre of gravity; – Special protection		D	X	X	X	X	Controlled Disclosure	SP	LR	X	X	
				D00029	Transport Specification	Information required for preparation of transportation of goods on site, e.g.: – Transport weight; – Number and kind of packages; – Dimensions; – Lifting heights; – Places of lifting and hauling lugs; – Centre of gravity; – Special protection measures.	D		X	X	X	X	Controlled Disclosure	SP	LR	X	X	

Document Kind Class (DCC) L2 Unique Identifier	Document Kind Class (DCC) L2 Description	Document Kind Class (DCC) L3 Unique Identifier	Document Kind Class (DCC) L3 Unique Description	Document Kind Class (DCC) L4 Unique Identifier	Document Kind Class (DCC) L4 Description	IEC Definitions	Technical Area						Default Owning Group	Documentation Type	Retention Period	Revisable Document	Technical Document	Project Document
							A Overall Management	B Overall Technology	C Construction Engineering (building construction and civil engineering)	E Electro technology (including control, information and communication techniques)	M Mechanical Engineering	P Process Engineering						
		BG	Site Planning and Site Organisation Documents	D00030	Site Specification for Personnel	Information required for preparation of working and housing facilities / conditions on site, e.g.: – Number and category of personnel; – Time / load curve of personnel; – Workshop area requirements; – Office facilities requirements; – Electric utility requirements; – Telecommunication facilities; – Housing requirements (number of persons per room, washing facilities, showers, toilets, cantina, etc.); – Transport of personnel to and from site; – Medical care services available.	X	D	X	X	X	X	Controlled Disclosure	SP	LR	X	X	X
		BH	Documents Regarding Changes	D00153	Change Notification	Standard Description Under Development	D	X	X	X	X	X	Controlled Disclosure	IS	LR	X	X	
				D00154	Change Request	Standard Description Under Development	D	X	X	X	X	X	Controlled Disclosure	IS	LR		X	X

Document Kind Class (DCC) L2 Unique Identifier	Document Kind Class (DCC) L2 Description	Document Kind Class (DCC) L3 Unique Identifier	Document Kind Class (DCC) L3 Unique Description	Document Kind Class (DCC) L4 Unique Identifier	Document Kind Class (DCC) L4 Description	IEC Definitions	Technical Area						Default Owning Group	Documentation Type	Retention Period	Revisable Document	Technical Document	Project Document
							A Overall Management	B Overall Technology	C Construction Engineering (building construction and civil engineering)	E Electro technology (including control, information and communication techniques)	M Mechanical Engineering	P Process Engineering						
BS			Security Documents	D00155	Escape Plan	Standard Description Under Development	D						Controlled Disclosure	PN	LR	X	X	
				D00156	Emergency Instruction	Standard Description Under Development	D						Controlled Disclosure	IS	LR	X	X	
				D00157	Fire Protection Plan	Standard Description Under Development	D						Controlled Disclosure	PN	LR	X	X	
				D00158	Noise Protection Plan	Standard Description Under Development	D		X	X	X	X	Controlled Disclosure	PN	LR	X	X	

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								A Overall Management	B Overall Technology	C Construction Engineering (building construction and civil engineering)	E Electro technology (including control, information and communication techniques)	M Mechanical Engineering	P Process Engineering						
Contractual and non-technical Documents	CA	Inquiry, calculation and offer	BT	Training Specific Documents	D00031	Training Description	The document "shall provide the relevant information to prepare and perform training related to system-specific and application specific skills."		D	X	X	X	X	Controlled Disclosure	MN	LR	X	X	X
					D00161	Offer		Standard Description Under Development	D						Confidential I	CR	LR		
	CB	Approval documents	D00164	Approval Application	Letter of Intent	Standard Description Under Development	D						Confidential	CR	LR			X	
							D						Controlled Disclosure	AG	LR	X	X	X	

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		CC	Contractual documents	D00168	Final Acceptance Certificate	Standard Description Under Development		D										Controlled Disclosure	CT	LR		X		
				D00165	Acceptance/Authorisation	Standard Description Under Development		D											Controlled Disclosure	AG	LR		X	
		CF	Insurance documents	D00175	Damage Assessment	Standard Description Under Development		D											Controlled Disclosure	CN	LR		X	
				D00166	Licence	Standard Description Under Development		D												Controlled Disclosure	AG	LR		X

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							A Overall Management	B Overall Technology	C Construction Engineering (building construction and civil engineering)	E Electro technology (including control, information and communication techniques)	M Mechanical Engineering	P Process Engineering						
D	General Technical Information Documents	CG	Warranty documents	D00176	Certificate of Guarantee	Standard Description Under Development	D						Controlled Disclosure	CN	LR		X	X
				D00032	Dimension Drawing	Document providing information about shape, dimensions, placing and fixing of equipment, necessary for its proper installation. NOTE – Dimension drawings are often part of general data sheets or instructions.		D	X	X	X	X	Controlled Disclosure	DW	LR	X	X	
				D00129	Material Declaration	Declaration of materials in a product including the operational materials contained in the product.		D	X	X	X	X	Controlled Disclosure	SP	LR		X	
				D00178	Data Sheet	Standard Description Under Development		D	X	X	X	X	Controlled Disclosure	SP	LR	X	X	X

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							A Overall Management	B Overall Technology	C Construction Engineering (building construction and civil engineering)	E Electro technology (including control, information and communication techniques)	M Mechanical Engineering	P Process Engineering						
		DB	Explanatory documents	D00119	Structure Diagram	Diagram providing an overview of the constituents of a system by presenting the constituents as nodes and their relations by lines. NOTE - The structure is often presented in the form of a hierarchical structure tree. Please refer to IEC 81346-1 for different forms.		D	X	X	X	X	Controlled Disclosure	PM	LR	X	X	
				D00179	System Description	Standard Description Under Development		D	X	X	X	X	Controlled Disclosure	PM	LR	X	X	X
				D00180	Description of Designation System	Document providing information and guidance on how to read and interpret the designation applied in a given documentation. (Description not standardized)		D	X	X	X	X	Controlled Disclosure	PM	LR	X	X	
		DC	Instructions and manuals	D00033	Maintenance Instruction (Skilled Persons)	Instruction providing information on maintenance operations that can be performed by skilled persons only. The document shall address the system maintenance engineers, and shall include descriptions for both hardware and software regarding preventive maintenance, fault detection, fault diagnosis and fault isolation, rectification of faults and system operation.		D	X	X	X	X	Controlled Disclosure	MN	LR	X	X	

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							A Overall Management	B Overall Technology	C Construction Engineering (building construction and civil engineering)	E Electro technology (including control, information and communication techniques)	M Mechanical Engineering	P Process Engineering						
				D00034	Operating Instruction	The user of the product shall be provided with information regarding normal and safe operation/functioning. As appropriate, this should be completed by information regarding automatic and remote controlled products, exceptional functions/situations, indications to be observed, protection of persons and instructions for fault detection.			X	D	X	X	Controlled Disclosure	MN	LR	X	X	X
				D00120	Transportation Instruction	Instruction providing information on the transportation of the product.			D	X	X	X	Controlled Disclosure	IS	LR	X	X	

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							A Overall Management	B Overall Technology	C Construction Engineering (building construction and civil engineering)	E Electro technology (including control, information and communication techniques)	M Mechanical Engineering	P Process Engineering						
				D00121	Storage Instruction	<p>Description: Instruction providing information on the storage of the product.</p> <p>If parts of the product are delivered long before they have to be installed and have to be stored until they are required (for example for large machinery installations), instructions shall provide information needed to prevent damage during unpacking, quality checking and storing.</p> <p>Mandatory content of information: Storage instructions shall include information on:</p> <ul style="list-style-type: none"> - storage conditions of the product; - packaging, repackaging and unpacking instructions, including details of the measures to be taken to protect and preserve the product during transit and storage; - packaging or inventory checklist. 			D	X	X	X	Controlled Disclosure	IS	LR	X	X	
				D00122	Installation Instruction	<p>Instruction providing information on the installation of the product.</p>			D	X	X	X	Controlled Disclosure	IS	LR	X	X	

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							A Overall Management	B Overall Technology	C Construction Engineering (building construction and civil engineering)	E Electro technology (including control, information and communication techniques)	M Mechanical Engineering	P Process Engineering						
				D00123	Commissioning Instruction	<p>Description: Instruction providing information on the commissioning of the product.</p> <p>Instructions for commissioning are provided especially for large and highly complex products and for large industrial installations. The purpose of such instructions is to provide the user with the information needed for initial setting-up of the product.</p>			D	X	X	X	Controlled Disclosure	MN	LR	X	X	
				D00124	Fault-Finding Instruction	<p>Instruction providing information for fault-finding.</p> <p>Usually, the fault location and diagnosis should be limited to those tasks that the user could reasonably be expected to undertake.</p>		D	X	X	X	X	Controlled Disclosure	IS	LR	X	X	
				D00125	Maintenance Instruction (Unskilled Persons)	<p>Instruction providing information on maintenance operations that can be performed by unskilled persons without harm to the user, other people or to the product.</p>		D	X	X	X	X	Controlled Disclosure	IS	LR	X	X	

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				D00126	Decommissioning Instruction	Instruction containing information relating to taking the product out of operation and taking further steps (destruction, recycling, disposal).			D	X	X	X	Controlled Disclosure	MN	LR	X	X	
				D00181	Manufacturing Instructions	Standard Description Under Development			D	X	X	X	Controlled Disclosure	IS	LR	X	X	
				D00183	Inspection Instruction	Standard Description Under Development	X	D	X	X	X	X	Controlled Disclosure	IS	LR	X	X	
	DD	Technical reports	D00186	R&D Report	Standard Description Under Development		D	X	X	X	X	Controlled Disclosure	RP	LR	X	X		

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							A Overall Management	B Overall Technology	C Construction Engineering (building construction and civil engineering)	E Electro technology (including control, information and communication techniques)	M Mechanical Engineering	P Process Engineering						
	DE	Catalogues Advertising documents		D00185	Technical Report	Standard Description Under Development		D	X	X	X	X	Controlled Disclosure	RP	LR	X	X	
				D00187	Catalogue	Standard Description Under Development	X	D					Public Domain	PB	LR		X	X
				D00188	Product Leaflet	Standard Description Under Development		D					Public Domain	PB	LR		X	X
	DF	Technical publications		D00189	Technical Publication	Standard Description Under Development		D					Public Domain	PB	LR		X	X

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Technical Requirement and Dimensioning documents		Document Kind Class (DCC) L2 Description
EA		Document Kind Class (DCC) L3 Unique Identifier
Standards and regulations	Legal requirement documents	Document Kind Class (DCC) L3 Unique Description
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IEC Definitions		
		A Overall Management
		B Overall Technology
		C Construction Engineering (building construction and civil engineering)
		E Electro technology (including control, information and communication techniques)
		M Mechanical Engineering
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		Technical Document
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							A Overall Management	B Overall Technology	C Construction Engineering (building construction and civil engineering)	E Electro technology (including control, information and communication techniques)	M Mechanical Engineering	P Process Engineering						
EC	Technical specification / requirement documents	D00194	ISO Standard	International standard that is adopted by the International Organization for Standardization (ISO), and made available to the public. [ISO/IEC Guide 2 3.2.1.1 modified]	X	D							Public Domain	ST	LR	X	X	
		D00035	Requirement Specification	"The user shall define what services are required of the system to be implemented; the design shall not be prejudiced (i.e. "what" and not "how")."	X	D	X	X	X	X		Controlled Disclosure	SP	LR	X	X	X	
		D00036	Test Specification	Document providing information about "the test equipment needed and the procedure to follow to verify that the system or module has the functioning and performance according to the requirement specifications, function descriptions and operator instruction		D	X	X	X	X		Controlled Disclosure	SP	LR	X	X		
		D00195	Consumer List	Standard Description Under Development				D				Controlled Disclosure	CS	LR	X	X		

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							A Overall Management	B Overall Technology	C Construction Engineering (building construction and civil engineering)	E Electro technology (including control, information and communication techniques)	M Mechanical Engineering	P Process Engineering						
				D00196	Component/Device List of C&I Equipment	Standard Description Under Development				D			Controlled Disclosure	SP	LR	X	X	
				D00197	Measuring Point & Criteria List	Standard Description Under Development				D		X	Controlled Disclosure	SP	LR	X	X	
				D00198	List of Motor and Loads	Standard Description Under Development				D			Controlled Disclosure	CS	LR	X	X	
				D00199	Material Specification	Standard Description Under Development			D	X	X	X	Controlled Disclosure	SP	LR	X	X	

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							A Overall Management	B Overall Technology	C Construction Engineering (building construction and civil engineering)	E Electro technology (including control, information and communication techniques)	M Mechanical Engineering	P Process Engineering						
F	Function-describing Documents	ED	Dimensioning Documents	D00037	Calculation Sheet (Technical)	Document providing information about data, and basic conditions and assumptions used for selection of appropriate system solutions, parts or material, as well as the way these data have been processed and evaluated		D	X	X	X	X	Controlled Disclosure	SP	LR	X	X	
													Controlled Disclosure	DW	LR	X	X	
										D			Controlled Disclosure	DW	LR	X	X	
										D			Controlled Disclosure	DW	LR	X	X	
F	Function-describing Documents	FA	Functional overview documents	D00038	Overview Diagram	Diagram providing a comprehensive view of an object with a low degree of detailing.							Controlled Disclosure	DW	LR	X	X	
													Controlled Disclosure	DW	LR	X	X	
													Controlled Disclosure	DW	LR	X	X	
													Controlled Disclosure	DW	LR	X	X	
F	Function-describing Documents	FA	Functional overview documents	D00039	Network Map	<p>Overview diagram showing a network on a map, for example generating and transforming stations and power lines, telecommunication equipment and transmission lines. Information may include:</p> <ul style="list-style-type: none"> - Location of main components (stations, towers, columns); - Conductor routes; - Identification of equipment. 							Controlled Disclosure	DW	LR	X	X	
													Controlled Disclosure	DW	LR	X	X	
													Controlled Disclosure	DW	LR	X	X	
													Controlled Disclosure	DW	LR	X	X	

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							A Overall Management	B Overall Technology	C Construction Engineering (building construction and civil engineering)	E Electro technology (including control, information and communication techniques)	M Mechanical Engineering	P Process Engineering						
				D00040	Block Diagram	Overview diagrams using predominantly block symbols.		X		D		X		DW	LR	X	X	
				D00112	Single Line Diagram	Overview diagram using single-line presentation for the polyphase circuits. [IEC 61082-1:1986] Alternativ description: A system diagram in which the polyphase links are represented by their equivalent single-line. [IEV 601-02-04]				D			Controlled Disclosure	DW	LR	X	X	
				D00113	Topological Diagram (Of a Network)	Graphical representation of the network topology. [IEV 603-02-05]				D			Controlled Disclosure	DW	LR	X	X	

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							A Overall Management	B Overall Technology	C Construction Engineering (building construction and civil engineering)	E Electro technology (including control, information and communication techniques)	M Mechanical Engineering	P Process Engineering						
				D00114	System Diagram (For a Network)	A topological representation of a system in which the information content depends on a specific requirement. [IEV 601-02-01]				D			Controlled Disclosure	DW	LR	X	X	
				D00115	System Operational Diagram (Of a Network)	A system diagram representing a particular operational condition. [IEC 601-02-02]				D			Controlled Disclosure	DW	LR	X	X	
				D00116	Three-Phase System Diagram (Of a Network)	Diagram of a three-phase system in which all phase and neutral conductors are each represented by separate lines. [IEC 601-02-03]				D			Controlled Disclosure	DW	LR	X	X	

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							A Overall Management	B Overall Technology	C Construction Engineering (building construction and civil engineering)	E Electro technology (including control, information and communication techniques)	M Mechanical Engineering	P Process Engineering							
	FB		Flow diagrams	D00117	Voltage Map (For a Network)	Consistent presentation of the voltages at the major nodes of a network under specified operating conditions. [IEV 601-02-24]					D			Controlled Disclosure	DW	LR	X	X	
		D00041		Block Diagram (ISO 10628)	The block diagram depicts a process plant by means of rectangular frames including the relevant inscriptions, interconnected by flow lines.					D		X	Controlled Disclosure	DW	LR	X	X		
		D00042		Process Flow Diagram (PFD)	The process flow diagram depicts a process or a process plant by means of graphical symbols, interconnected by flow lines. The graphical symbols represent equipment and the lines represent flows of mass and energy or energy carriers.						D	Controlled Disclosure	DW	LR	X	X			
		D00043		Piping and Instrument Diagram (P&ID)	The piping and instrument diagram (P&ID), based on the process flow diagram, represents the technical realization of a process by means of graphical symbols for equipment and piping together with graphical symbols or process measurement and control functions.						D	Controlled Disclosure	DW	LR	X	X			

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							A Overall Management	B Overall Technology	C Construction Engineering (building construction and civil engineering)	E Electro technology (including control, information and communication techniques)	M Mechanical Engineering	P Process Engineering						
				D00044	Utility flow diagram (UFD)	"The utility flow diagram (UFD) is a special type of a piping and instrument diagram. It is a schematic representation of the utility systems within a process plant, showing all lines and other means required for the transport, distribution and collection						D	Controlled Disclosure	DW	LR	X	X	
				D00200	Overview Diagram (Flow)	Diagram providing a comprehensive view of an object with a low degree of detailing.						D	Controlled Disclosure	DW	LR	X	X	
	FC	MMI layout documents		D00201	Screen Display Layout Drawing	Standard Description Under Development				D			Controlled Disclosure	DW	LR	X	X	
	FE	Function descriptions		D00045	Function Description	The function description details the means by which the user's requirements, as defined in the requirement specification, are satisfied by the supplier's system.				D	X	X	Controlled Disclosure	SP	LR	X	X	

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							A Overall Management	B Overall Technology	C Construction Engineering (building construction and civil engineering)	E Electro technology (including control, information and communication techniques)	M Mechanical Engineering	P Process Engineering						
FF			Function diagrams	D00046	Function Diagram	Diagram providing information about the functional behaviour of a system.				D		X	Controlled Disclosure	DW	LR	X	X	X
				D00047	Logic-Function Diagram	Function diagram that predominantly uses symbols for binary logic elements.				D		X	Controlled Disclosure	DW	LR	X	X	
				D00048	Function Chart	Chart describing the functions and behaviour of a control system, using steps and transitions.				D			Controlled Disclosure	DW	LR	X	X	
				D00050	Sequence Chart	Chart providing information on the succession of operations or status of the units of a system.				D			Controlled Disclosure	DW	LR	X	X	

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							A Overall Management	B Overall Technology	C Construction Engineering (building construction and civil engineering)	E Electro technology (including control, information and communication techniques)	M Mechanical Engineering	P Process Engineering						
				D00051	Time Sequence Chart/Table	Sequence chart with the time axis plotted to scale.				D			Controlled Disclosure	DW	LR	X	X	
		FP	Signal descriptions	D00052	Signal List	List of functional or electrical connections among a set of points (e.g. terminals, functions) within a collection of items, assemblies, equipment, plants, installations or systems.				D			Controlled Disclosure	CS	LR	X	X	
				D00118	Signal Property List	List containing list items, each specifying a signal object.				D			Controlled Disclosure	CS	LR	X	X	
	FQ	Setting value documents		D00202	Setting List	Standard Description Under Development				D		X	Controlled Disclosure	CS	LR	X	X	

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L	Location Documents	LA	Exploitation and survey documents	D00204	Design Description	Standard Description Under Development		D	X	X	X	X	Controlled Disclosure	SP	LR	X	X	
				D00205	Ground Plan				D				Controlled Disclosure	DW	LR	X	X	
		LB	Earthwork and foundation work documents	D00225	Development Plan	Document which covers an extensive area, and which controls both development and use of land and water areas, etc., and which is normally prepared by a planning authority.	X		D				Controlled Disclosure	DW	LR	X	X	
				D00206	Excavation Plan	Drawing which specifies information necessary for the realization of excavation works.			D				Controlled Disclosure	DW	LR	X	X	

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	LD	LC	Building carcass documents	D00207	Foundation Drawing	Standard Description Under Development			D					Controlled Disclosure	DW	LR	X	X		
				D00208	Reinforcement Drawing	Drawing which shows the position and designation of rods, bars, wires and cables embedded in a reinforced concrete structure.			D					Controlled Disclosure	DW	LR	X	X		
				D00209	Static Drawing	Standard Description Under Development			D					Controlled Disclosure	DW	LR	X	X		
		On-site location documents	D00062	Arrangement Drawing (Site)	Drawing showing the relative or absolute location of objects		X	D	X	X		Controlled Disclosure	DW	LR	X	X				
			D00086	Site Plan	Base document for an arrangement drawing showing the location, in relation to “setting-outpoints”, of construction works, service networks, and roadwork and information on landscape, means of access and general layout of site		X	D	X	X	X	Controlled Disclosure	DW	LR	X	X				

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							A Overall Management	B Overall Technology	C Construction Engineering (building construction and civil engineering)	E Electro technology (including control, information and communication techniques)	M Mechanical Engineering	P Process Engineering						
				D00087	Earthing Diagram	Arrangement drawing of an earthing system.		X	X	D	X	X	Controlled Disclosure	DW	LR	X	X	
				D00088	Installation Diagram (Site)	Arrangement drawing showing the location of components of an electrical installation together with connections		X	D	X	X	X	Controlled Disclosure	DW	LR	X	X	
				D00089	Cable Routing Drawing (Site)	Arrangement drawing on which the location of cable tunnels, trays, ducts, trunking systems, supports etc are presented				D			Controlled Disclosure	DW	LR	X	X	
				D00092	Earthing Drawing (Site)	Arrangement drawing showing the location of components of an earthing system				D			Controlled Disclosure	DW	LR	X	X	

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							A Overall Management	B Overall Technology	C Construction Engineering (building construction and civil engineering)	E Electro technology (including control, information and communication techniques)	M Mechanical Engineering	P Process Engineering						
				D00094	Earthing Plan	Arrangement drawing showing the location of components of an earthing system		X	X	D	X	X	Controlled Disclosure	DW	LR	X	X	
				D00096	Installation Drawing (Site)	Arrangement drawing showing the location of components of an electrical installation.				D			Controlled Disclosure	DW	LR	X	X	
				D00098	Installation Plan	Arrangement drawing showing the location of the components of an installation.		X	D	X	X		Controlled Disclosure	DW	LR	X	X	
		LH	In-building location documents	D00063	Arrangement Drawing (Building)	Drawing showing the relative or absolute location of objects		X	D	X	X	X	Controlled Disclosure	DW	LR	X	X	

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							A Overall Management	B Overall Technology	C Construction Engineering (building construction and civil engineering)	E Electro technology (including control, information and communication techniques)	M Mechanical Engineering	P Process Engineering						
				D00090	Installation Diagram	Arrangement drawing showing the location of components of an electrical installation together with connections		X	D	X	X	X	Controlled Disclosure	DW	LR	X	X	
				D00091	Cable Routing Drawing (Building)	Arrangement drawing on which the location of cable tunnels, trays, ducts, trunking systems, supports etc are presented				D			Controlled Disclosure	DW	LR	X	X	
				D00093	Earthing Drawing (Building)	Arrangement drawing showing the location of components of an earthing system				D			Controlled Disclosure	DW	LR	X	X	
				D00095	Earthing Plan	Arrangement drawing showing the location of components of an electrical installation together with connections		X	X	D		X	Controlled Disclosure	DW	LR	X	X	

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							A Overall Management	B Overall Technology	C Construction Engineering (building construction and civil engineering)	E Electro technology (including control, information and communication techniques)	M Mechanical Engineering	P Process Engineering						
LU	In/on-equipment location documents	D00064	Arrangement Drawing (Equipment)	D00097	Installation Drawing (Building)	Arrangement drawing showing the location of components of an electrical installation.				D			Controlled Disclosure	DW	LR	X	X	
				D00099	Installation Plan	Arrangement drawing showing the location of the components of an installation.		X	D	X		X	Controlled Disclosure	DW	LR	X	X	
				D00100	Building Drawing	Base document for an arrangement drawing showing the ground-plan and sectional views of a building together with information important for electrical installation		X	D	X		X	Controlled Disclosure	DW	LR	X	X	
								D	X	X	X		Controlled Disclosure	DW	LR	X	X	

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							A Overall Management	B Overall Technology	C Construction Engineering (building construction and civil engineering)	E Electro technology (including control, information and communication techniques)	M Mechanical Engineering	P Process Engineering						
M	Connection-describing Documents	MA	Connection documents	D00101	Assembly Drawing	Arrangement drawing representing the spatial position and shape of a group of assembled parts, normally to scale			D	X	X	X	Controlled Disclosure	DW	LR	X	X	
				D00057	Connection Diagram	Diagram providing information about the physical connections among components or units				D			Controlled Disclosure	DW	LR	X	X	
				D00059	Connection Table	Table showing information about the physical connections among components or units				D			Controlled Disclosure	DW	LR	X	X	
				D00065	Terminal Connection Diagram	Connection diagram for connections internal and/or external to terminals		X	X	D	X	X	Controlled Disclosure	DW	LR	X	X	

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							A Overall Management	B Overall Technology	C Construction Engineering (building construction and civil engineering)	E Electro technology (including control, information and communication techniques)	M Mechanical Engineering	P Process Engineering						
				D00071	Terminal Connection Table	Connection table providing information on the physical connections internal and/or external to terminals.		X	X	D	X	X	Controlled Disclosure	DW	LR	X	X	
				D00073	Unit Connection Table	Connection table providing information on the physical connections within a unit		X	X	D	X	X	Controlled Disclosure	DW	LR	X	X	
				D00074	Interconnection List	Connection table providing information on the physical connections among different units		X	X	D	X	X	Controlled Disclosure	DW	LR	X	X	
				D00075	Interconnection Table	Connection table providing information on the physical connections among different units.		X	X	D	X	X	Controlled Disclosure	DW	LR	X	X	

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							A Overall Management	B Overall Technology	C Construction Engineering (building construction and civil engineering)	E Electro technology (including control, information and communication techniques)	M Mechanical Engineering	P Process Engineering						
MB			Cabling or piping documents	D00210	Cable Pulling Card	Standard Description Under Development				D			Controlled Disclosure	DW	LR	X	X	
				D00055	Connection Diagram (Cables)	Diagram providing information about the physical connections among components or units				D			Controlled Disclosure	DW	LR	X	X	
				D00061	Connection Table (Cables)	Table showing information about the physical connections among components or units				D			Controlled Disclosure	DW	LR	X	X	
				D00069	Cable Diagram	Connection diagram providing information on cables between and among various objects.		X	X	D	X	X	Controlled Disclosure	DW	LR	X	X	

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								A Overall Management	B Overall Technology	C Construction Engineering (building construction and civil engineering)	E Electro technology (including control, information and communication techniques)	M Mechanical Engineering	P Process Engineering									
					D00211	Piping List	Standard Description Under Development						X	D	Controlled Disclosure	CS	LR	X	X			
Product/Object Listings	PA	Material lists	D00103	Material List	List specifying the material required for different activities, mainly for erecting, installing, commissioning of a plant. NOTE - Contains mainly material like cables, conduits, bolts, screws, tools, measuring instruments etc.	Material List		D	X	X	X	X	Controlled Disclosure	CS	LR	X	X					
								PB	Parts lists	D00104	Parts List (Class A)	List for an object containing list items specifying the sub-objects in the product aspect (parts, components, software, equipment, etc.) that constitute an assembly (or sub-assembly) or system and, if necessary, reference documents. NOTE - Class A indicates that each list item represents a type of constituent object and specifies the quantity of this.	D	X	X	X	Controlled Disclosure	CS	LR	X	X	
										D00105	Parts List (Class B)	List for an object containing list items specifying the sub-objects in the product aspect (parts, components, software, equipment, etc.) that constitute the assembly (or sub-assembly) or system and, if necessary, reference documents. NOTE - Class B indicates that each list item	D	X	X	X	Controlled Disclosure	CS	LR	X	X	

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							A Overall Management	B Overall Technology	C Construction Engineering (building construction and civil engineering)	E Electro technology (including control, information and communication techniques)	M Mechanical Engineering	P Process Engineering						
						represents an occurrence of a constituent object.												
				D00106	Spare Parts List	Table containing list items specifying the objects (parts, components, software, equipment, etc.) that are available or delivered as spare parts for later use.			D	X	X	X	Controlled Disclosure	CS	LR	X	X	
				D00107	Label List	Document specifying labels to be used in a plant, system and on equipment.		D		X		X	Controlled Disclosure	CS	LR	X	X	
		PC	Item Lists	D00212	Item List	Complete list of the items constituting an assembly (or a sub-assembly), or of detailed parts presented on a drawing.		D	X	X	X	X	Controlled Disclosure	CS	LR	X	X	X
		PD	Product lists and product type lists	D00213	Product List	Standard Description Under Development	X	D	X	X	X	X	Controlled Disclosure	CS	NP5	X	X	

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							A Overall Management	B Overall Technology	C Construction Engineering (building construction and civil engineering)	E Electro technology (including control, information and communication techniques)	M Mechanical Engineering	P Process Engineering						
Q	Quality-related Documents	QA	Quality management documents	D00078	Quality Manual	Document specifying the quality management system of an organization. NOTE - Quality manuals can vary in detail and format to suit the size and complexity of an individual organization.	D						Controlled Disclosure	MN	NP5	X	X	X
													Controlled Disclosure					
													Controlled Disclosure					
		PL	Location Lists	D00108	Location List	List for an object containing list items specifying sub-objects in the location aspect (objects of space) on a site, in a building , room, cubicle or other unit.		D	X	X		X	Controlled Disclosure	DW	LR	X	X	
		PF	Function Lists	D00060	Function List	List for an object containing list items specifying sub-objects in the function aspect of a plant, technical system, sub-system, functional unit or unit.				D		X	Controlled Disclosure	CS	LR	X	X	
				D00214	Product Type List	Standard Description Under Development	X	D	X	X	X	X	Controlled Disclosure	CS	NP5	X	X	

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							A Overall Management	B Overall Technology	C Construction Engineering (building construction and civil engineering)	E Electro technology (including control, information and communication techniques)	M Mechanical Engineering	P Process Engineering						
				D00079	Quality Plan	Document specifying which procedures and associated resources shall be applied by whom and when to a specific project, product, process or contract. NOTE 1 These procedures generally include those referring to quality management processes and to product NOTE 2 A quality plan often makes reference to parts of the quality manual or to procedure documents. NOTE 3 A quality plan is generally one of the results of quality planning.	D		X	X	X	X	Controlled Disclosure	PN	NP5	X	X	
				D00080	Quality Record	Document stating results achieved or providing evidence of activities performed. NOTE 1 Records can be used, for example, to document traceability and to provide evidence of verification, preventive action and corrective action. NOTE 2 Generally records need not be under revision control.	D		X	X	X	X	Controlled Disclosure	RP	NP15		X	X
				D00081	Audit Plan	Description of the activities and arrangements for an audit [ISO 9000:2005]	D		X	X	X	X	Controlled Disclosure	PN	NP5	X	X	X

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							A Overall Management	B Overall Technology	C Construction Engineering (building construction and civil engineering)	E Electro technology (including control, information and communication techniques)	M Mechanical Engineering	P Process Engineering						
				D00082	Audit Report	Report providing a complete, accurate, concise and clear record of the audit.	D	X	X	X	X	X	Controlled Disclosure	RP	NP5		X	X
				D00128	Declaration of Conformity	Declaration that contains sufficient information to enable an recipient of the declaration of conformity to identify the issuer of the declaration, the object of the declaration, the standards and other specified requirements with which conformity is declared, and the person signing for and on behalf of the issuer of the declaration of conformity.		D	X	X	X	X	Controlled Disclosure	CT	NP15		X	X
				D00215	Quality Guideline	Standard Description Under Development	D						Controlled Disclosure	GL	NP15	X	X	X
				D00216	Non-Conformity Report	Standard Description Under Development	D	X	X	X	X	X	Controlled Disclosure	RP	LR		X	X

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							A Overall Management	B Overall Technology	C Construction Engineering (building construction and civil engineering)	E Electro technology (including control, information and communication techniques)	M Mechanical Engineering	P Process Engineering						
QB	Safety-describing documents	D00217	Corrective and Preventive Action Report	D00217	Standard Description Under Development		D	X	X	X	X	X	Controlled Disclosure	RP	LR		X	X
							D						Controlled Disclosure	RP	NP5		X	X
							D						Controlled Disclosure	RP	NP5			X
		D00220	Safety Study		Standard Description Under Development			D	X	X	X	X	Controlled Disclosure	RP	LR	X	X	

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							A Overall Management	B Overall Technology	C Construction Engineering (building construction and civil engineering)	E Electro technology (including control, information and communication techniques)	M Mechanical Engineering	P Process Engineering						
				D00221	Risk Assessment	Standard Description Under Development	D		X	X	X	X	Controlled Disclosure	RP	LR		X	X
				D00083	Test Certificate	Certificate verifying compliance with specified regulations and / or standards by a neutral authorised test institution.	X	D	X	X	X	X	Controlled Disclosure	CT	LR		X	
				D00084	Material Certificate	Certificate verifying correct composition and / or characteristics of ordered material. NOTE - This certificate is to be sent together with the goods if requested in the purchase order.		D	X	X	X	X	Controlled Disclosure	CT	LR		X	
				D00085	Test Report	Document verifying tested characteristics of a certain object.		D	X	X	X	X	Controlled Disclosure	RP	LR		X	

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							A Overall Management	B Overall Technology	C Construction Engineering (building construction and civil engineering)	E Electro technology (including control, information and communication techniques)	M Mechanical Engineering	P Process Engineering						
T	Geometry-related documents	TA	Planning drawings	D00102	Test Report (Software)	Document providing information about what has been tested and the result of tests. The result shall be presented in a form to make it possible to relate the results to the test procedure steps described in the test specification.				D			Controlled Disclosure	RP	LR		X	
				D00222	Fault Report	Standard Description Under Development	D		X	X	X	X	Controlled Disclosure	RP	LR		X	
				D00223	Concept Drawing	Standard Description Under Development		D	X	X	X	X	Controlled Disclosure	DW	LR	X	X	
				D00224	Design Drawing	Standard Description Under Development		D	X	X	X	X	Controlled Disclosure	DW	LR	X	X	

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							A Overall Management	B Overall Technology	C Construction Engineering (building construction and civil engineering)	E Electro technology (including control, information and communication techniques)	M Mechanical Engineering	P Process Engineering						
	TB		Construction drawings	D00226	Interface Drawing	Drawing giving information for the assembly and matching of two parts, concerning, for example, their dimensions, configuration limitations, performance and test requirements.		D	X	X	X	X	Controlled Disclosure	DW	LR	X	X	
				D00227	Exploded-View Drawing	Pictorial representation of an assembly, usually in isometric axonometry or perspective representation, in which components are drawn to the same scale and correctly oriented relative to each other, but are separated from each other in their correct sequence.		D	X	X	X	X	Controlled Disclosure	DW	LR	X	X	
				D00228	3D-Drawing	Standard Description Under Development		D	X	X	X	X	Controlled Disclosure	DW	LR	X	X	X
	TC	Manufacturing and erection drawings		D00131	Component Drawing	Drawing depicting a single component and which includes all the information required for the definition of the component.		D	X	X	X	X	Controlled Disclosure	DW	LR	X	X	

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							A Overall Management	B Overall Technology	C Construction Engineering (building construction and civil engineering)	E Electro technology (including control, information and communication techniques)	M Mechanical Engineering	P Process Engineering						
TL	Arrangement Drawings			D00229	Manufacturing Drawing	Drawing which provides all necessary information for production.			D	X	X	X	Controlled Disclosure	DW	LR	X	X	
				D00230	Drilling Plan	Standard Description Under Development			D				Controlled Disclosure	DW	NP15	X	X	
				D00231	Welding Plan	Standard Description Under Development			D				Controlled Disclosure	DW	LR	X	X	
				D00232	Layout Drawing	Drawing showing the location of sites, structures, buildings, spaces, elements, assemblies or components.			D	X	X	X	Controlled Disclosure	DW	LR	X	X	

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							A Overall Management	B Overall Technology	C Construction Engineering (building construction and civil engineering)	E Electro technology (including control, information and communication techniques)	M Mechanical Engineering	P Process Engineering						
.	Basic Elements and Generic Composites	φ	Basic Elements	D00001	X Chart	<p>Presentation mainly using the drawing form expressing the relationship between two or more variable quantities, operations or states. [IEC 61082-1]</p> <p>Alternative definition: Graphical presentation, usually within a coordinate system, expressing the relationship between two or more variables. [ISO 10209-4: 1999]</p>		D	X	X	X	X	Controlled Disclosure	DW	LR	X	X	
				D00002	X Diagram	<p>Presentation mainly using the drawing form and in which graphical symbols are used to indicate the objects and their relationships [IEC 61082-1]</p> <p>Alternative definition: Technical document showing the functions of the objects composing a system and their interrelations using graphical symbols [ISO 15519-1]</p>		D	X	X	X	X	Controlled Disclosure	DW	LR	X	X	

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							A Overall Management	B Overall Technology	C Construction Engineering (building construction and civil engineering)	E Electro technology (including control, information and communication techniques)	M Mechanical Engineering	P Process Engineering						
				D00003	X Drawing	<p>Presentation mainly using the drawing form by showing, usually to scale, the objects and their relative position to each other.</p> <p>NOTE - Plans, sections, cuts, sketches and views as defined in ISO 10209-1 are specific kinds of drawings. [IEC 61082-1]</p> <p>Alternative definition:</p> <p>Technical information, given on an information carrier, graphically presented in accordance with agreed rules and usually to scale [ISO 15519-1]</p>		D	X	X	X	X	Controlled Disclosure	DW	LR	X	X	
				D00004	X Picture	<p>Presentation of information using images or geometrically absolute depictions irrespective of the actual perspective used [IEC 61082-1]</p>		D	X	X	X	X	Controlled Disclosure	DW	LR		X	
				D00005	X Table	<p>Presentation in which the information is presented in columns and rows.</p> <p>NOTE 1 – A list is a specific kind of a table.</p> <p>NOTE 2 – A presentation in a table cell can be of any form.</p> <p>[IEC 61082-1]</p>		D	X	X	X	X	Controlled Disclosure	PR	LR	X	X	X

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							A Overall Management	B Overall Technology	C Construction Engineering (building construction and civil engineering)	E Electro technology (including control, information and communication techniques)	M Mechanical Engineering	P Process Engineering						
				D00006	X Text	Presentation of information using words and numerals.		D	X	X	X	X	Controlled Disclosure	CR	LR	X	X	
				D00007	X Photo	Presentation of information using a photographic image		D	X	X	X	X	Controlled Disclosure	AV	LR		X	X
				D00008	X Audio (record)	Presentation of information by means of sound record.		D	X	X	X	X	Controlled Disclosure	AV	LR		X	
				D00009	X Video (record)	Presentation of information by means of streaming images, usually photographic.		D	X	X	X	X	Controlled Disclosure	AV	LR		X	

Document Kind Class (DCC) L2 Unique Identifier	Document Kind Class (DCC) L2 Description	Document Kind Class (DCC) L3 Unique Identifier	Document Kind Class (DCC) L3 Unique Description	Document Kind Class (DCC) L4 Unique Identifier	Document Kind Class (DCC) L4 Description	IEC Definitions	Technical Area						Default Owning Group	Documentation Type	Retention Period	Revisable Document	Technical Document	Project Document
							A Overall Management	B Overall Technology	C Construction Engineering (building construction and civil engineering)	E Electro technology (including control, information and communication techniques)	M Mechanical Engineering	P Process Engineering						
		-z	Basic composites	D00010	XXX Standard	Document, established by consensus and approved by a recognized body, that provides, for common and repeated use, rules, guidelines or characteristics for activities or their results, aimed at the achievement of the optimum degree of order in a given context. NOTE - Standards should be based on the consolidated results of science, technology and experience, and aimed at the promotion of optimum community benefits.	D	X	X	X	X	X	Controlled Disclosure	ST	LR	X	X	X
				D00011	XXX Description	Document kind providing a linguistic formulation of facts.		D	X	X	X	X	Controlled Disclosure	GL	LR	X	X	X
				D00012	XXX Information	Document kind (often composite) providing a collection of facts, news, advice or knowledge about something with the intention to reduces the recipient's uncertainty.		D	X	X	X	X	Controlled Disclosure	MN	LR		X	X

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Document Kind Class (DCC) L2 Unique Identifier	Document Kind Class (DCC) L2 Description	Document Kind Class (DCC) L3 Unique Identifier	Document Kind Class (DCC) L3 Unique Description	Document Kind Class (DCC) L4 Unique Identifier	Document Kind Class (DCC) L4 Description	IEC Definitions	Technical Area						Default Owning Group	Documentation Type	Retention Period	Revisable Document	Technical Document	Project Document
							A Overall Management	B Overall Technology	C Construction Engineering (building construction and civil engineering)	E Electro technology (including control, information and communication techniques)	M Mechanical Engineering	P Process Engineering						
				D00013	XXX Log	Note: The description may be supplemented by graphical illustrations, etc.		D	X	X	X	X	Controlled Disclosure	LG	LR		X	
				D00014	XXX Manual	Document kind (often composite) providing a collection of facts, news, advice or knowledge about something with the intention to reduces the recipient's uncertainty.	D	X	X	X	X	X	Controlled Disclosure	MN	LR	X	X	X
				D00015	XXX Record	Information created, received, and maintained as evidence and information by an organization or person, in pursuance of legal obligations or in the transaction of business.	D	X	X	X	X	X	Controlled Disclosure	LG	LR		X	X
				D00016	XXX Report	Document kind (often composite) providing a factual reproduction of an occurrence or fact.	D	X	X	X	X	X	Controlled Disclosure	RP	LR	X	X	X
				D00017	XXX Specification	A document that prescribes technical requirements on performance or characteristics of plant, equipment, and products or services that shall be met in every application by the supplier of the product or service.	D	X	X	X	X	X	Controlled Disclosure	SP	LR	X	X	

Document Kind Class (DCC) L2 Unique Identifier	Document Kind Class (DCC) L2 Description	Document Kind Class (DCC) L3 Unique Identifier	Document Kind Class (DCC) L3 Unique Description	Document Kind Class (DCC) L4 Unique Identifier	Document Kind Class (DCC) L4 Description	IEC Definitions	Technical Area						Default Owning Group	Documentation Type	Retention Period	Revisable Document	Technical Document	Project Document
							A Overall Management	B Overall Technology	C Construction Engineering (building construction and civil engineering)	E Electro technology (including control, information and communication techniques)	M Mechanical Engineering	P Process Engineering						
				D00018	XXX Instruction (for use of an object)	Information by the producer of a product for the safe and efficient use of the product.	D	X	X	X	X	X	Controlled Disclosure	IS	LR	X	X	X
				D00019	XXX Instruction (directive)	Regulatory document defining rules for an organisation, or rules about how to handle a product, activity or process.	D	X	X	X	X	X	Controlled Disclosure	IS	LR	X	X	X
				D00020	XXX Certificate	This is a formal record of compliance of a test or activity, including complying with specific agreement, contract or legislation. (This includes medical tests.	D	X	X	X	X	X	Controlled Disclosure	CT	LR		X	X
				D00127	XXX Declaration	First-party statement, based on a decision following review, that fulfilment of specified requirements has been demonstrated. NOTE - First-party conformity assessment is an activity that is performed by the person or organization that provides the object.	D	X	X	X	X	X	Controlled Disclosure	CT	LR		X	

Document Kind Class (DCC) L2 Unique Identifier	Document Kind Class (DCC) L2 Description	Document Kind Class (DCC) L3 Unique Identifier	Document Kind Class (DCC) L3 Unique Description	Document Kind Class (DCC) L4 Unique Identifier	Document Kind Class (DCC) L4 Description	IEC Definitions	Technical Area						Default Owning Group	Documentation Type	Retention Period	Revisable Document	Technical Document	Project Document
							A Overall Management	B Overall Technology	C Construction Engineering (building construction and civil engineering)	E Electro technology (including control, information and communication techniques)	M Mechanical Engineering	P Process Engineering						
		!	Not Categorised	D00170	ZZZ Revisable Technical Document		D	X	X	X	X	X	Controlled Disclosure	DW	LR	X	X	
				D00182	ZZZ Non Revisable Technical Document		D	X	X	X	X	X	Controlled Disclosure	DW	LR		X	

APPENDIX B: DEVIATIONS FROM IEC 61355:2008 SECOND EDITION – OBSOLETE DOCUMENT KINDS USED BY ESKOM

Obsolete Kinds being Used			Proposed Replacement in IEC61355:2008		Reasoning
D00039	2006-04	Network map	D00038	Overview diagram	Industry term - If collapsed at Overview Diagram, granularity would be lost
D00047	2006-04	Logic-function diagram	D00046	Function diagram	Industry term - If collapsed at Function Diagram, granularity would be lost
D00089	2006-04	Cable routing drawing (site)	D00062	Arrangement drawing (site)	Industry term - If collapsed at Arrangement drawing(site) granularity would be lost
D00091	2006-04	Cable routing drawing (building)	D00063	Arrangement drawing (building)	Industry term - If collapsed at Arrangement drawing (building) granularity would be lost
D00092	2006-04	Earthing drawing (site)	D00062	Arrangement drawing (site)	Industry term - If collapsed at Arrangement drawing (site) granularity would be lost
D00093	2006-04	Earthing drawing (building)	D00063	Arrangement drawing (building)	Industry term - If collapsed at Arrangement drawing (building) granularity would be lost
D00096	2006-04	Installation drawing (site)	D00062	Arrangement drawing (site)	Industry term - If collapsed at Arrangement drawing (site) granularity would be lost
D00097	2006-04	Installation drawing (building)	D00063	Arrangement drawing (building)	Industry term - If collapsed at Arrangement drawing (building) granularity would be lost
D00101	2006-04	Assembly drawing	D00064	Arrangement drawing (equipment)	Industry term - If collapsed at Arrangement drawing (equipment) granularity would be lost
D00112	2006-04	Single-line diagram	D00038	Overview diagram	Industry term - If collapsed at Overview Diagram, granularity would be lost
D00113	2006-04	Topological diagram (of a network)	D00038	Overview diagram	Industry term - If collapsed at Overview Diagram, granularity would be lost
D00114	2006-04	System diagram (for a network)	D00038	Overview diagram	Industry term - If collapsed at Overview Diagram, granularity would be lost
D00115	2006-04	System operational diagram (of a network)	D00038	Overview diagram	Industry term - If collapsed at Overview Diagram, granularity would be lost
D00116	2006-04	Three-phase system diagram (of a network)	D00038	Overview diagram	Industry term - If collapsed at Overview Diagram, granularity would be lost
D00117	2006-04	Voltage map (for a network)	D00038	Overview diagram	Industry term - If collapsed at Overview Diagram, granularity would be lost

APPENDIX C: DEVIATIONS FROM IEC 61355:2008 SECOND EDITION – OBSOLETE DOCUMENT MAPPING USED BY ESKOM

Obsolete Kinds			Eskom Revised Mapping		Proposed Replacement in IEC61355:2008		Reasoning
D00086	2006-04	Site plan (base document for electrical installation)	D00096	Installation drawing (site)	D00062	Arrangement drawing (site)	Mapping to Legacy kind for greater granularity
D00087	2006-04	Earthing diagram	D00092 / D00093	Earthing drawing (site) / Earthing drawing (building)	D00062	Arrangement drawing (site)	Mapping to Legacy kind for greater granularity
D00088	2006-04	Installation diagram (site)	D00096	Installation drawing (site)	D00062	Arrangement drawing (site)	Mapping to Legacy kind for greater granularity
D00090	2006-04	Installation diagram (building)	D00097	Installation drawing (building)	D00063	Arrangement drawing (building)	Mapping to Legacy kind for greater granularity
D00094	2006-04	Earthing plan (site)	D00092	Earthing drawing (site)	D00062	Arrangement drawing (site)	Mapping to Legacy kind for greater granularity
D00095	2006-04	Earthing plan (building)	D00093	Earthing drawing (building)	D00063	Arrangement drawing (building)	Mapping to Legacy kind for greater granularity
D00098	2006-04	Installation plan (site)	D00096	Installation drawing (site)	D00062	Arrangement drawing (site)	Mapping to Legacy kind for greater granularity
D00099	2006-04	Installation plan (building)	D00097	Installation drawing (building)	D00063	Arrangement drawing (building)	Mapping to Legacy kind for greater granularity
D00100	2006-04	Building drawing (base document for electrical installation)	D00097	Installation drawing (building)	D00063	Arrangement drawing (building)	Mapping to Legacy kind for greater granularity

APPENDIX D: IEC 61355:2008 SECOND EDITION – OBSOLETE DOCUMENT KIND REPLACEMENT MAPPING USED BY ESKOM

Obsolete Kinds			Proposed Replacement in IEC61355:2008	
D00049	2006-04	Equivalent-circuit diagram	D00046	Function diagram
D00054	2006-04	Terminal-function diagram	D00053	Circuit diagram
D00066	2006-04	Unit connection diagram	D00057	Connection diagram
D00067	2006-04	Interconnection diagram	D00057	Connection diagram
D00068	2006-04	Interconnection diagram (cables)	D00055	Connection diagram (cables)
D00070	2006-04	Terminal connection list	D00059	Connection table
D00072	2006-04	Unit connection list	D00059	Connection table
D00076	2006-04	Cable list	D00061	Connection table (cables)
D00077	2006-04	Cable table	D00061	Connection table (cables)