

CNAIM calculation step	Data required	CNAIM document reference	Data collected	Data used to provide CNAIM input	Data type used	Format of data	Existing data collection policy	Frequency of data collection	Proposed future additional data collection	Comments
Initial Health Score	Age	Section 6.1.6, Eqn 4	Y	Age	Year of commissioning	Year	One off activity	On commissioning		
Initial Health Score - Duty Factor	Maximum Demand	Section 6.6, Table 33	Y	Maximum Demand	PI data	MVA	Real time data	1 year		
Initial Health Score - Duty Factor	Rating	Section 6.6, Table 33	Y	Rating	Rating plate value	MVA	One off activity	On commissioning		
Initial Health Score - Duty Factor	No of tap changer operations	Section 6.6, Table 33	Y	No of tap changer operations	Count of operations	Integer	Ongoing routine inspection cycle	1 month		
Initial Health Score - Location Factor	Distance from coast (X/Y Coordinates)	Section 6.4.2, Table 22	Y	X/Y	ESRI location	OS Grid Reference	Real time data	Live system update		
Initial Health Score - Location Factor	Altitude	Section 6.4.3, Table 23	Y	X/Y	ESRI location	metres	One off activity	Live system update		
Initial Health Score - Location Factor	Corrosion Category	Section 6.4.4, Table 24	Y	Corrosion Category	Site assessment	Value 1-5	One off activity	On commissioning		
Initial Health Score - Location Factor	Environment (Indoor / Outdoor)	Section 6.4	Y	Indoor / Outdoor	Site assessment	Indoor / Outdoor	One off activity	On commissioning		
Observed Condition Modifier - Main Tank	Main Tank Condition	Section 6.9, Table 84	Y	Main Tank Condition	Site assessment	Normal Wear, Some Deterioration, Substantial Deterioration	Ongoing routine inspection cycle	1 month		
Observed Condition Modifier - Main Tank	Coolers / Radiator Condition	Section 6.9, Table 85	Y	Coolers / Radiator Condition	Site assessment	Normal Wear, Some Deterioration, Substantial Deterioration	Ongoing routine inspection cycle	1 month		
Observed Condition Modifier - Main Tank	Bushings Condition	Section 6.9, Table 86	Y	Bushings Condition	Site assessment	Normal Wear, Some Deterioration, Substantial Deterioration	Ongoing routine inspection cycle	1 month		
Observed Condition Modifier - Main Tank	Kiosk Condition	Section 6.9, Table 87	Y	Kiosk Condition	Site assessment	Normal Wear, Some Deterioration, Substantial Deterioration	Ongoing routine inspection cycle	1 month		
Observed Condition Modifier - Main Tank	Cable Boxes Condition	Section 6.9, Table 88	Y	Cable Boxes Condition	Site assessment	Normal Wear, Some Deterioration, Substantial Deterioration	Ongoing routine inspection cycle	1 month		
Observed Condition Modifier - Tap changer	External Condition	Section 6.9, Table 89	Y	External Condition	Site assessment	Normal Wear, Some Deterioration, Substantial Deterioration	Ongoing routine inspection cycle	1 month		
Observed Condition Modifier - Tap changer	Internal Condition	Section 6.9, Table 90	N	Internal Condition	Site assessment	Normal Wear, Some Deterioration, Substantial Deterioration	Ongoing routine inspection cycle	6-9 years		2018
Observed Condition Modifier - Tap changer	Drive Mechanisms Condition	Section 6.9, Table 91	N	Drive Mechanisms Condition	Site assessment	As New, Normal Wear, Some Deterioration, Substantial Deterioration	Ongoing routine inspection cycle	6-9 years		2018
Observed Condition Modifier - Tap changer	Selector & Diverter Contact Condition	Section 6.9, Table 92	N	Selector & Diverter Contact Condition	Site assessment	As New, Normal Wear, Some Deterioration, Substantial Deterioration	Ongoing routine inspection cycle	6-9 years		2018
Observed Condition Modifier - Tap changer	Selector & Diverter Braid Condition	Section 6.9, Table 93	N	Selector & Diverter Braid Condition	Site assessment	As New, Normal Wear, Some Deterioration, Substantial Deterioration	Ongoing routine inspection cycle	6-9 years		2018
Measured Condition Modifier - Main Tank	Partial Discharge	Section 6.10, Table 165	Y	Partial Discharge	Level of partial discharge measured	High (confirmed), high (unconfirmed), medium, low	Ongoing routine inspection cycle	1 month		
Measured Condition Modifier - Main Tank	Temperature Readings	Section 6.10, Table 166	Y	Temperature Readings	Temperature vs. expected temperature	Normal, Moderately High, Very High	Ongoing routine inspection cycle	1 month		
Measured Condition Modifier - Tap Changer	Partial Discharge	Section 6.10, Table 167	Y	Partial Discharge	Level of partial discharge measured	High (confirmed), high (unconfirmed), medium, low	Ongoing routine inspection cycle	1 month		
Oil Test Modifier	Moisture	Section 6.11, Table 196, Eqn 20	Y	Moisture	Oil test result	ppm	Ongoing routine inspection cycle	1 year		
Oil Test Modifier	Acidity	Section 6.11, Table 197, Eqn 20	Y	Acidity	Oil test result	mg KOH/g	Ongoing routine inspection cycle	1 year		
Oil Test Modifier	Breakdown Strength	Section 6.11, Table 198, Eqn 20	Y	Breakdown Strength	Oil test result	kV	Ongoing routine inspection cycle	1 year		
Oil Test Modifier	Oil Temperature	Section 6.11	Y	Oil Temperature	Oil test result	Celsius	Ongoing routine inspection cycle	1 year		
DGA Modifier	Hydrogen	Section 6.12, Table 201, Eqn 21	Y	Hydrogen	DGA result	ppm	Ongoing routine inspection cycle	1 year		
DGA Modifier	Methane	Section 6.12, Table 202, Eqn 21	Y	Methane	DGA result	ppm	Ongoing routine inspection cycle	1 year		
DGA Modifier	Ethylene	Section 6.12, Table 203, Eqn 21	Y	Ethylene	DGA result	ppm	Ongoing routine inspection cycle	1 year		
DGA Modifier	Ethane	Section 6.12, Table 204, Eqn 21	Y	Ethane	DGA result	ppm	Ongoing routine inspection cycle	1 year		
DGA Modifier	Acetylene	Section 6.12, Table 205, Eqn 21	Y	Acetylene	DGA result	ppm	Ongoing routine inspection cycle	1 year		
FFA Modifier	FFA Value	Section 6.13, Eqn 24	Y	FFA Value	DGA result	ppm	Ongoing routine inspection cycle	1 year		
Reliability Modifier	NEDeRs	Section 6.14	Y	NEDeRs	Notification, engineering judgement	Document	One off activity	On change		
Reliability Modifier	DINs	Section 6.14	Y	DINs	Notification, engineering judgement	Document	One off activity	On change		
Reliability Modifier	SOPs	Section 6.14	Y	SOPs	Notification, engineering judgement	Document	One off activity	On change		
Financial Consequences Factor	Type Financial Factor (Rating, secondary voltage)	Section 7.3.3.1, Table 212, Eqn 27	Y	Type Financial Factor	Rating plate value	Decimal	One off activity	On commissioning		
Financial Consequences Factor	Access Financial Factor	Section 7.3.3.2, Table 214, Eqn 27	Y	Access Financial Factor	On site assessment	Type A / B / C	Ongoing routine inspection cycle	1 year		
Safety Consequences Factor	Type Safety Factor	Section 7.4.3.1, Table 218, Eqn 29	Y	Type Safety Factor	Engineering judgement	Low, Medium, High	Real time data	Live system update		
Safety Consequences Factor	Location Safety Factor	Section 7.4.3.2, Table 218, Eqn 29	Y	Location Safety Factor	On site assessment	Low, Medium, High	Ongoing routine inspection cycle	1 year		
Environmental Consequences Factor	Size Environmental Factor (Rating, Secondary Voltage)	Section 7.5.3.2, Table 222, Eqn 32	Y	Size Environmental Factor	Rating plate value	MVA, kV	One off activity	On commissioning		
Environmental Consequences Factor	Proximity Factor	Section 7.5.3.3, Table 223, Eqn 33	Y	Proximity Factor	ESRI location	metres	Real time data	Live system update		
Environmental Consequences Factor	Bundling Factor	Section 7.5.3.3, Table 223, Eqn 33	Y	Bundling Factor	Construction data	Bunded / Not bunded	One off activity	On commissioning		
Network Performance Consequence Factor	Load at risk (Max Demand)	Section 7.6.3.2, Eqn 40	Y	Max Demand	PI data	MVA	Real time data	1 year		
Network Performance Consequence Factor	Network Type Factor (Secure / Not Secure)	Section 7.6.3.2, Eqn 39	Y	Secure / Not Secure	Single line diagram	Secure / Not Secure	One off activity	On change		

CNAIM calculation step	Data required	CNAIM document reference	Data collected	Data used to provide CNAIM input	Data type used	Format of data	Existing data collection policy	Frequency of data collection	Proposed future additional data collection	Comments
Initial Health Score	Age	Section 6.1.6, Eqn 4	Y	Age	Year of commissioning	Year	One off activity	On commissioning		
Initial Health Score - Duty Factor	Maximum Demand	Section 6.6, Table 33	Y	Maximum Demand	PI data	MVA	Real time data	1 year		
Initial Health Score - Duty Factor	Rating	Section 6.6, Table 33	Y	Rating	Rating plate value	MVA	One off activity	On commissioning		
Initial Health Score - Duty Factor	No of tap changer operations	Section 6.6, Table 33	Y	No of tap changer operations	Count of operations	Integer	Ongoing routine inspection cycle	6 months		
Initial Health Score - Location Factor	Distance from coast (X/Y Coordinates)	Section 6.4.2, Table 22	Y	X/Y	ESRI location	OS Grid Reference	Real time data	Live system update		
Initial Health Score - Location Factor	Altitude	Section 6.4.3, Table 23	Y	X/Y	ESRI location	metres	One off activity	Live system update		
Initial Health Score - Location Factor	Corrosion Category	Section 6.4.4, Table 24	Y	Corrosion Category	Site assessment	Value 1-5	One off activity	On commissioning		
Initial Health Score - Location Factor	Environment (Indoor / Outdoor)	Section 6.4	Y	Indoor / Outdoor	Site assessment	Indoor / Outdoor	One off activity	On commissioning		
Observed Condition Modifier - Main Tank	Main Tank Condition	Section 6.9, Table 74	Y	Main Tank Condition	Site assessment	Normal Wear, Some Deteriora	Ongoing routine inspection cycle	6 months		
Observed Condition Modifier - Main Tank	Coolers / Radiator Condition	Section 6.9, Table 75	Y	Coolers / Radiator Condition	Site assessment	Normal Wear, Some Deteriora	Ongoing routine inspection cycle	6 months		
Observed Condition Modifier - Main Tank	Bushings Condition	Section 6.9, Table 76	Y	Bushings Condition	Site assessment	Normal Wear, Some Deteriora	Ongoing routine inspection cycle	6 months		
Observed Condition Modifier - Main Tank	Kiosk Condition	Section 6.9, Table 77	Y	Kiosk Condition	Site assessment	Normal Wear, Some Deteriora	Ongoing routine inspection cycle	6 months		
Observed Condition Modifier - Main Tank	Cable Boxes Condition	Section 6.9, Table 78	Y	Cable Boxes Condition	Site assessment	Normal Wear, Some Deteriora	Ongoing routine inspection cycle	6 months		
Observed Condition Modifier - Tap changer	External Condition	Section 6.9, Table 79	Y	External Condition	Site assessment	Normal Wear, Some Deteriora	Ongoing routine inspection cycle	6 months		
Observed Condition Modifier - Tap changer	Internal Condition	Section 6.9, Table 80	N	Internal Condition	Site assessment	Normal Wear, Some Deteriora	Ongoing routine inspection cycle	3-6 years	2018	
Observed Condition Modifier - Tap changer	Drive Mechanisms Condition	Section 6.9, Table 81	N	Drive Mechanisms Condition	Site assessment	As New, Normal Wear, Some	Ongoing routine inspection cycle	3-6 years	2018	
Observed Condition Modifier - Tap changer	Selector & Diverter Contact Condition	Section 6.9, Table 82	N	Selector & Diverter Contact Condition	Site assessment	As New, Normal Wear, Some	Ongoing routine inspection cycle	3-6 years	2018	
Observed Condition Modifier - Tap changer	Selector & Diverter Braid Condition	Section 6.9, Table 83	N	Selector & Diverter Braid Condition	Site assessment	As New, Normal Wear, Some	Ongoing routine inspection cycle	3-6 years	2018	
Measured Condition Modifier - Main Tank	Partial Discharge	Section 6.10, Table 162	Y	Partial Discharge	Level of partial discharge measured	High (confirmed), high (unconf	Ongoing routine inspection cycle	6 months		
Measured Condition Modifier - Main Tank	Temperature Readings	Section 6.10, Table 163	Y	Temperature Readings	Temperature vs. expected temperature	Normal, Moderately High, Very	Ongoing routine inspection cycle	6 months		
Measured Condition Modifier - Tap Changer	Partial Discharge	Section 6.10, Table 164	Y	Partial Discharge	Level of partial discharge measured	High (confirmed), high (unconf	Ongoing routine inspection cycle	6 months		
Oil Test Modifier	Moisture	Section 6.11, Table 196, Eqn 20	Y	Moisture	Oil test result	ppm	Ongoing routine inspection cycle	2 years		
Oil Test Modifier	Acidity	Section 6.11, Table 197, Eqn 20	Y	Acidity	Oil test result	mg KOH/g	Ongoing routine inspection cycle	2 years		
Oil Test Modifier	Breakdown Strength	Section 6.11, Table 198, Eqn 20	Y	Breakdown Strength	Oil test result	kV	Ongoing routine inspection cycle	2 years		
Oil Test Modifier	Oil Temperature	Section 6.11	Y	Oil Temperature	Oil test result	Celsius	Ongoing routine inspection cycle	2 years		
DGA Modifier	Hydrogen	Section 6.12, Table 201, Eqn 21	Y	Hydrogen	DGA result	ppm	Ongoing routine inspection cycle	2 years		
DGA Modifier	Methane	Section 6.12, Table 202, Eqn 21	Y	Methane	DGA result	ppm	Ongoing routine inspection cycle	2 years		
DGA Modifier	Ethylene	Section 6.12, Table 203, Eqn 21	Y	Ethylene	DGA result	ppm	Ongoing routine inspection cycle	2 years		
DGA Modifier	Ethane	Section 6.12, Table 204, Eqn 21	Y	Ethane	DGA result	ppm	Ongoing routine inspection cycle	2 years		
DGA Modifier	Acetylene	Section 6.12, Table 205, Eqn 21	Y	Acetylene	DGA result	ppm	Ongoing routine inspection cycle	2 years		
FFA Modifier	FFA Value	Section 6.13, Eqn 24	Y	FFA Value	DGA result	ppm	Ongoing routine inspection cycle	2 years		
Reliability Modifier	NEDeRs	Section 6.14	Y	NEDeRs	Notification, engineering judgement	Document	One off activity	On change		
Reliability Modifier	DINs	Section 6.14	Y	DINs	Notification, engineering judgement	Document	One off activity	On change		
Reliability Modifier	SOPs	Section 6.14	Y	SOPs	Notification, engineering judgement	Document	One off activity	On change		
Financial Consequences Factor	Type Financial Factor (Rating, secondary)	Section 7.3.3.1, Table 212, Eqn 27	Y	Type Financial Factor	Rating plate value	Decimal	One off activity	On commissioning		
Financial Consequences Factor	Access Financial Factor	Section 7.3.3.2, Table 214, Eqn 27	Y	Access Financial Factor	On site assessment	Type A / B / C	Ongoing routine inspection cycle	1 year		
Safety Consequences Factor	Type Safety Factor	Section 7.4.3.1, Table 218, Eqn 29	Y	Type Safety Factor	Engineering judgement	Low, Medium, High	Real time data	Live system update		
Safety Consequences Factor	Location Safety Factor	Section 7.4.3.2, Table 218, Eqn 29	Y	Location Safety Factor	On site assessment	Low, Medium, High	Ongoing routine inspection cycle	1 year		
Environmental Consequences Factor	Size Environmental Factor (Rating, Secondary)	Section 7.5.3.2, Table 222, Eqn 32	Y	Size Environmental Factor	Rating plate value	MVA, kV	One off activity	On commissioning		
Environmental Consequences Factor	Proximity Factor	Section 7.5.3.3, Table 223, Eqn 33	Y	Proximity Factor	ESRI location	metres	Real time data	Live system update		
Environmental Consequences Factor	Bundling Factor	Section 7.5.3.3, Table 223, Eqn 33	Y	Bundling Factor	Construction data	Bundled / Not bundled	One off activity	On commissioning		
Network Performance Consequence Factor	Load at risk (Max Demand)	Section 7.6.3.2, Eqn 40	Y	Max Demand	PI data	MVA	Real time data	1 year		
Network Performance Consequence Factor	Network Type Factor (Secure / Not Secure)	Section 7.6.3.2, Eqn 39	Y	Secure / Not Secure	Single line diagram	Secure / Not Secure	One off activity	On change		

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Initial Health Score	Age	Section 6.1.6, Eqn 4	Y	Age	Year of commissioning	Year	One off activity	On commissioning		
Initial Health Score - Duty Factor	Maximum Demand	Section 6.6, Table 32	Y	Maximum Demand	PI data	MVA	Real time data	1 year		
Initial Health Score - Duty Factor	Rating	Section 6.6, Table 32	Y	Rating	Rating plate value	MVA	One off activity	On commissioning		
Initial Health Score - Location Factor	Distance from coast (X/Y Coordinates)	Section 6.4.2, Table 22	Y	X/Y	ESRI location	OS Grid Reference	Real time data	Live system update		
Initial Health Score - Location Factor	Altitude	Section 6.4.3, Table 23	Y	X/Y	ESRI location	metres	One off activity	Live system update		
Initial Health Score - Location Factor	Corrosion Category	Section 6.4.4, Table 24	Y	Corrosion Category	Site assessment	Value 1-5	One off activity	On commissioning		
Initial Health Score - Location Factor	Environment (Indoor / Outdoor)	Section 6.4	Y	Indoor / Outdoor	Site assessment	Indoor / Outdoor	One off activity	On commissioning		
Observed Condition Modifier	Transformer External Condition	Section 6.9, Table 73	Y	Transformer External Condition	Site assessment	As New, Good, Slight Deterioration	Ongoing routine inspection cycle	1 year		
Measured Condition Modifier	Partial Discharge	Section 6.10, Table 159	Y	Partial Discharge	Level of partial discharge measured	High (confirmed), high (unconfirmed)	Ongoing routine inspection cycle	1 year		
Measured Condition Modifier	Temperature Readings	Section 6.10, Table 161	Y	Temperature Readings	Temperature vs. expected temperature	Normal, Moderately High, Very High	Ongoing routine inspection cycle	1 year		
Measured Condition Modifier	Oil Acidity	Section 6.11, Table 160, Eqn 20	Y	Acidity	Oil test result	mg KOH/g	Ongoing routine inspection cycle	12 - 18 years		
Reliability Modifier	NEDeRs	Section 6.14	Y	NEDeRs	Notification, engineering judgement	Document	One off activity	On change		
Reliability Modifier	DINs	Section 6.14	Y	DINs	Notification, engineering judgement	Document	One off activity	On change		
Reliability Modifier	SOPs	Section 6.14	Y	SOPs	Notification, engineering judgement	Document	One off activity	On change		
Financial Consequences Factor	Type Financial Factor (Rating)	Section 7.3.3.1, Table 212, Eqn 27	Y	Type Financial Factor	Rating plate value	Decimal	One off activity	On commissioning		
Financial Consequences Factor	Access Financial Factor	Section 7.3.3.2, Table 214, Eqn 27	Y	Access Financial Factor	On site assessment	Type A / B / C	Ongoing routine inspection cycle	1 year		
Safety Consequences Factor	Type Safety Factor	Section 7.4.3.1, Table 218, Eqn 29	Y	Type Safety Factor	Engineering judgement	Low, Medium, High	Real time data	Live system update		
Safety Consequences Factor	Location Safety Factor	Section 7.4.3.2, Table 218, Eqn 29	Y	Location Safety Factor	On site assessment	Low, Medium, High	Ongoing routine inspection cycle	1 year		
Environmental Consequences Factor	Size Environmental Factor (Rating)	Section 7.5.3.2, Table 222, Eqn 32	Y	Size Environmental Factor	Rating plate value	MVA, kV	One off activity	On commissioning		
Environmental Consequences Factor	Proximity Factor	Section 7.5.3.3, Table 223, Eqn 33	Y	Proximity Factor	ESRI location	metres	Real time data	Live system update		
Environmental Consequences Factor	Bundling Factor	Section 7.5.3.3, Table 223, Eqn 33	Y	Bundling Factor	Construction data	Bundled / Not bundled	One off activity	On commissioning		
Network Performance Consequence Factor	Customer Number Adjustment (Maximum)	Section 7.6.2.2, Table 18, Eqn 36	Y	Max Demand	MDI Readings	kVA	Ongoing routine inspection cycle	Live system update		
Network Performance Consequence Factor	Number of customers	Section 7.6.2.2, Eqn 36	Y	Customer numbers	PowerOn Data	Count	Real time data	Live system update		
Network Performance Consequence Factor	Number of vulnerable customers	Section 7.6.2.2	Y	Number of vulnerable customers	PowerOn Data	Count	Real time data	Live system update		

CNAIM calculation step	Data required	CNAIM document reference	Data collected	Data used to provide CNAIM input	Data type used	Format of data	Existing data collection policy	Frequency of data collection	Proposed future additional data collection	Comments
Initial Health Score	Age	Section 6.1.6, Eqn 4	Y	Age	Year of commissioning	Year	One off activity	On commissioning		
Initial Health Score - Duty Factor	No of operations	Section 6.6, Table 31	Y	No of operations	Classification of number of operations	Normal / Low, High	Real time data	Live system update		
Initial Health Score - Location Factor	Distance from coast (X/Y Coordinates)	Section 6.4.2, Table 22	Y	X/Y	ESRI location	OS Grid Reference	Real time data	Live system update		
Initial Health Score - Location Factor	Altitude	Section 6.4.3, Table 23	Y	X/Y	ESRI location	metres	One off activity	Live system update		
Initial Health Score - Location Factor	Corrosion Category	Section 6.4.4, Table 24	Y	Corrosion Category	Site assessment	Value 1-5	One off activity	On commissioning		
Initial Health Score - Location Factor	Environment (Indoor / Outdoor)	Section 6.4	Y	Indoor / Outdoor	Site assessment	Indoor / Outdoor	One off activity	On commissioning		
Observed Condition Modifier	Switchgear External Condition	Section 6.9, Table 66	Y	Switchgear External Condition	Site assessment	As New, Normal Wear, Some	Ongoing routine inspection cycle	1 month		
Observed Condition Modifier	Oil Lakes / Pressure	Section 6.9, Table 67	Y	Oil Lakes / Pressure	Site assessment	Good, Slight Leak, Poor, Seve	Ongoing routine inspection cycle	1 month		
Observed Condition Modifier	Thermographic Assessment	Section 6.9, Table 68	N	Thermographic Assessment	Site assessment	Ambient or below, Above Amb	Ongoing routine inspection cycle	1 month		2018
Observed Condition Modifier	Switchgear Internal Condition and Opera	Section 6.9, Table 69	N	Switchgear Internal Condition and Operation	Site assessment	As New, Normal Wear, Some	Ongoing routine inspection cycle	6 years		2018
Observed Condition Modifier	Indoor Environment	Section 6.9, Table 70	Y	Indoor Environment	Site assessment	Better than expected, As expe	Ongoing routine inspection cycle	1 month		
Observed Condition Modifier	Support Structures	Section 6.9, Table 71	Y	Support Structures	Site assessment	No deterioration, Nomal wear,	Ongoing routine inspection cycle	1 month		
Observed Condition Modifier	Air Systems	Section 6.9, Table 72	Y	Air Systems	Site assessment	No deterioration, Minor Deteri	Ongoing routine inspection cycle	1 month		
Measured Condition Modifier	Partial Discharge	Section 6.10, Table 153	Y	Partial Discharge	Level of partial discharge measured	High (confirmed), high (unconf	Ongoing routine inspection cycle	1 month		
Measured Condition Modifier	Ductor Test	Section 6.10, Table 154	N	Ductor Test	Deterioration measured	As New, up to 10% deteriorati	Ongoing routine inspection cycle	6 years		2018
Measured Condition Modifier	IR Test	Section 6.10, Table 155	N	IR Test	Deterioration measured	As New, up to 10% deteriorati	Ongoing routine inspection cycle	6 years		2018
Measured Condition Modifier	Temperature Readings	Section 6.10, Table 157	N	Temperature Readings	Deterioration measured	Ambient or Below, Above Amb	Ongoing routine inspection cycle	1 month		2018
Measured Condition Modifier	Trip Test	Section 6.10, Table 158	N	Trip Test	Pass, Fail	Pass, Fail	Ongoing routine inspection cycle	1 year		2018
Measured Condition Modifier - Oil Tests	Moisture	Section 6.11, Table 196, Eqn 20	Y	Moisture	Oil test result	ppm	Ongoing routine inspection cycle	6 years		
Measured Condition Modifier - Oil Tests	Acidity	Section 6.11, Table 197, Eqn 20	Y	Acidity	Oil test result	mg KOH/g	Ongoing routine inspection cycle	6 years		
Measured Condition Modifier - Oil Tests	Breakdown Strength	Section 6.11, Table 198, Eqn 20	Y	Breakdown Strength	Oil test result	kV	Ongoing routine inspection cycle	6 years		
Measured Condition Modifier - Oil Tests	Oil Temperature	Section 6.11	Y	Oil Temperature	Oil test result	Celsius	Ongoing routine inspection cycle	6 years		
Measured Condition Modifier - Gas Tests	SF6 Moisture	Section 6.10, Table 14	N	SF6 Moisture	Gas test result	ppm	Ongoing routine inspection cycle	6 years		2018
Measured Condition Modifier - Gas Tests	SF6 Acidity (HF ppm)	Section 6.10, Table 14	N	SF6 Acidity (HF ppm)	Gas test result	ppm	Ongoing routine inspection cycle	6 years		2018
Measured Condition Modifier - Gas Tests	SF6 Acidity (SO2 ppm)	Section 6.10, Table 14	N	SF6 Acidity (SO2 ppm)	Gas test result	ppm	Ongoing routine inspection cycle	6 years		2018
Measured Condition Modifier - Gas Tests	SF6 Purity (SF6 content)	Section 6.10, Table 14	N	SF6 Purity (SF6 content)	Gas test result	%	Ongoing routine inspection cycle	6 years		2018
Measured Condition Modifier - Gas Tests	SF6 Purity (Oxygen content)	Section 6.10, Table 14	N	SF6 Purity (Oxygen content)	Gas test result	%	Ongoing routine inspection cycle	6 years		2018
Measured Condition Modifier - Gas Tests	SF6 Dew Point	Section 6.10, Table 14	N	SF6 Dew Point	Gas test result	Celsius	Ongoing routine inspection cycle	6 years		2018
Reliability Modifier	NEDeRs	Section 6.14	Y	NEDeRs	Notification, engineering judgement	Document	One off activity	On change		
Reliability Modifier	DINs	Section 6.14	Y	DINs	Notification, engineering judgement	Document	One off activity	On change		
Reliability Modifier	SOPs	Section 6.14	Y	SOPs	Notification, engineering judgement	Document	One off activity	On change		
Financial Consequences Factor	Access Financial Factor	Section 7.3.3.2, Table 214, Eqn 27	Y	Access Financial Factor	On site assessment	Type A / B / C	Ongoing routine inspection cycle	Live system update		
Safety Consequences Factor	Type Safety Factor	Section 7.4.3.1, Table 218, Eqn 29	Y	Type Safety Factor	Engineering judgement	Low, Medium, High	Real time data	Live system update		
Safety Consequences Factor	Location Safety Factor	Section 7.4.3.2, Table 218, Eqn 29	Y	Location Safety Factor	On site assessment	Low, Medium, High	Ongoing routine inspection cycle	1 year		
Environmental Consequences Factor	Type Environmental Factor (Insulating M	Section 7.5.3.1, Table 221, Eqn 32	Y	Type Environmental Factor	Rating plate value	Oil, SF6, Neither	One off activity	On commissioning		
Environmental Consequences Factor	Proximity Factor	Section 7.5.3.3, Table 223, Eqn 33	Y	Proximity Factor	ESRI location	metres	Real time data	Live system update		
Environmental Consequences Factor	Bundling Factor	Section 7.5.3.3, Table 223, Eqn 33	Y	Bundling Factor	Construction data	Bunded / Not bunded	One off activity	On commissioning		
Network Performance Consequence Factor	Load at risk (Max Demand)	Section 7.6.3.2, Eqn 40	Y	Max Demand	PI data	MVA	Real time data	1 year		
Network Performance Consequence Factor	Network Type Factor (Secure / Not Secu	Section 7.6.3.2, Eqn 39	Y	Secure / Not Secure	Single line diagram	Secure / Not Secure	One off activity	On change		

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Initial Health Score	Age	Section 6.1.6, Eqn 4	Y	Age	Year of commissioning	Year	One off activity	On commissioning		
Initial Health Score - Duty Factor	No of operations	Section 6.6, Table 31	Y	No of operations	Classification of number of operations	Normal / Low, High	Real time data	Live system update		
Initial Health Score - Location Factor	Distance from coast (X/Y Coordinates)	Section 6.4.2, Table 22	Y	X/Y	ESRI location	OS Grid Reference	Real time data	Live system update		
Initial Health Score - Location Factor	Altitude	Section 6.4.3, Table 23	Y	X/Y	ESRI location	metres	One off activity	Live system update		
Initial Health Score - Location Factor	Corrosion Category	Section 6.4.4, Table 24	Y	Corrosion Category	Site assessment	Value 1-5	One off activity	On commissioning		
Initial Health Score - Location Factor	Environment (Indoor / Outdoor)	Section 6.4	Y	Indoor / Outdoor	Site assessment	Indoor / Outdoor	One off activity	On commissioning		
Observed Condition Modifier	Switchgear External Condition	Section 6.9, Table 60	Y	Switchgear External Condition	Site assessment	As New, Normal Wear, Some	Ongoing routine inspection cycle	1 - 6 months		
Observed Condition Modifier	Oil Lakes / Pressure	Section 6.9, Table 61	Y	Oil Lakes / Pressure	Site assessment	Good, Slight Leak, Poor, Seve	Ongoing routine inspection cycle	1 - 6 months		
Observed Condition Modifier	Thermographic Assessment	Section 6.9, Table 62	N	Thermographic Assessment	Site assessment	Ambient or below, Above Amb	Ongoing routine inspection cycle	1 - 6 months		2018
Observed Condition Modifier	Switchgear Internal Condition and Opera	Section 6.9, Table 63	N	Switchgear Internal Condition and Operation	Site assessment	As New, Normal Wear, Some	Ongoing routine inspection cycle	12 years depending on criticality		2018
Observed Condition Modifier	Indoor Environment	Section 6.9, Table 64	Y	Indoor Environment	Site assessment	Better than expected, As expe	Ongoing routine inspection cycle	1 - 6 months		
Observed Condition Modifier	Support Structures	Section 6.9, Table 65	Y	Support Structures	Site assessment	No deterioration, Nomal wear,	Ongoing routine inspection cycle	1 - 6 months		
Measured Condition Modifier	Partial Discharge	Section 6.10, Table 147	Y	Partial Discharge	Level of partial discharge measured	High (confirmed), high (unconf	Ongoing routine inspection cycle	1 - 6 months		
Measured Condition Modifier	Ductor Test	Section 6.10, Table 148	N	Ductor Test	Deterioration measured	As New, up to 10% deteriorati	Ongoing routine inspection cycle	12 years depending on criticality		2018
Measured Condition Modifier	IR Test	Section 6.10, Table 149	N	IR Test	Deterioration measured	As New, up to 10% deteriorati	Ongoing routine inspection cycle	12 years depending on criticality		2018
Measured Condition Modifier	Temperature Readings	Section 6.10, Table 151	N	Temperature Readings	Deterioration measured	Ambient or Below, Above Amb	Ongoing routine inspection cycle	1 - 6 months		2018
Measured Condition Modifier	Trip Test	Section 6.10, Table 152	N	Trip Test	Pass, Fail	Pass, Fail	Ongoing routine inspection cycle	1 year		2018
Measured Condition Modifier - Oil Tests	Moisture	Section 6.11, Table 196, Eqn 20	Y	Moisture	Oil test result	ppm	Ongoing routine inspection cycle	12 years depending on criticality		
Measured Condition Modifier - Oil Tests	Acidity	Section 6.11, Table 197, Eqn 20	Y	Acidity	Oil test result	mg KOH/g	Ongoing routine inspection cycle	12 years depending on criticality		
Measured Condition Modifier - Oil Tests	Breakdown Strength	Section 6.11, Table 198, Eqn 20	Y	Breakdown Strength	Oil test result	kV	Ongoing routine inspection cycle	12 years depending on criticality		
Measured Condition Modifier - Oil Tests	Oil Temperature	Section 6.11	Y	Oil Temperature	Oil test result	Celsius	Ongoing routine inspection cycle	12 years depending on criticality		
Measured Condition Modifier - Gas Tests	SF6 Moisture	Section 6.10, Table 14	N	SF6 Moisture	Gas test result	ppm	Ongoing routine inspection cycle	12 years depending on criticality		
Measured Condition Modifier - Gas Tests	SF6 Acidity (HF ppm)	Section 6.10, Table 14	N	SF6 Acidity (HF ppm)	Gas test result	ppm	Ongoing routine inspection cycle	12 years depending on criticality		
Measured Condition Modifier - Gas Tests	SF6 Acidity (SO2 ppm)	Section 6.10, Table 14	N	SF6 Acidity (SO2 ppm)	Gas test result	ppm	Ongoing routine inspection cycle	12 years depending on criticality		
Measured Condition Modifier - Gas Tests	SF6 Purity (SF6 content)	Section 6.10, Table 14	N	SF6 Purity (SF6 content)	Gas test result	%	Ongoing routine inspection cycle	12 years depending on criticality		
Measured Condition Modifier - Gas Tests	SF6 Purity (Oxygen content)	Section 6.10, Table 14	N	SF6 Purity (Oxygen content)	Gas test result	%	Ongoing routine inspection cycle	12 years depending on criticality		
Measured Condition Modifier - Gas Tests	SF6 Dew Point	Section 6.10, Table 14	N	SF6 Dew Point	Gas test result	Celsius	Ongoing routine inspection cycle	12 years depending on criticality		
Reliability Modifier	NEDeRs	Section 6.14	Y	NEDeRs	Notification, engineering judgement	Document	One off activity	On change		
Reliability Modifier	DINs	Section 6.14	Y	DINs	Notification, engineering judgement	Document	One off activity	On change		
Reliability Modifier	SOPs	Section 6.14	Y	SOPs	Notification, engineering judgement	Document	One off activity	On change		
Financial Consequences Factor	Access Financial Factor	Section 7.3.3.2, Table 214, Eqn 27	Y	Access Financial Factor	On site assessment	Type A / B / C	Ongoing routine inspection cycle	Live system update		
Safety Consequences Factor	Type Safety Factor	Section 7.4.3.1, Table 218, Eqn 29	Y	Type Safety Factor	Engineering judgement	Low, Medium, High	Real time data	Live system update		
Safety Consequences Factor	Location Safety Factor	Section 7.4.3.2, Table 218, Eqn 29	Y	Location Safety Factor	On site assessment	Low, Medium, High	Ongoing routine inspection cycle	1 year		
Environmental Consequences Factor	Type Environmental Factor (Insulating M	Section 7.5.3.1, Table 221, Eqn 32	Y	Type Environmental Factor	Rating plate value	Oil, SF6, Neither	One off activity	On commissioning		
Environmental Consequences Factor	Proximity Factor	Section 7.5.3.3, Table 223, Eqn 33	Y	Proximity Factor	ESRI location	metres	Real time data	Live system update		
Environmental Consequences Factor	Bundling Factor	Section 7.5.3.3, Table 223, Eqn 33	Y	Bundling Factor	Construction data	Bunded / Not bunded	One off activity	On commissioning		
Network Performance Consequence Factor	Load at risk (Max Demand)	Section 7.6.3.2, Eqn 40	Y	Max Demand	PI data	MVA	Real time data	1 year		
Network Performance Consequence Factor	Network Type Factor (Secure / Not Secu	Section 7.6.3.2, Eqn 39	Y	Secure / Not Secure	Single line diagram	Secure / Not Secure	One off activity	On change		

CNAIM calculation step	Data required	CNAIM document reference	Data collected	Data used to provide CNAIM input	Data type used	Format of data	Existing data collection policy	Frequency of data collection	Proposed future additional data collection	Comments
Initial Health Score	Age	Section 6.1.6, Eqn 4	Y	Age	Year of commissioning	Year	One off activity	On commissioning		
Initial Health Score - Duty Factor	No of operations	Section 6.6, Table 31	Y	No of operations	Classification of number of operations	Normal / Low, High	Ongoing routine inspection cycle	6 months		
Initial Health Score - Location Factor	Distance from coast (X/Y Coordinates)	Section 6.4.2, Table 22	Y	X/Y	ESRI location	OS Grid Reference	Real time data	Live system update		
Initial Health Score - Location Factor	Altitude	Section 6.4.3, Table 23	Y	X/Y	ESRI location	metres	One off activity	Live system update		
Initial Health Score - Location Factor	Corrosion Category	Section 6.4.4, Table 24	Y	Corrosion Category	Site assessment	Value 1-5	One off activity	On commissioning		
Initial Health Score - Location Factor	Environment (Indoor / Outdoor)	Section 6.4	Y	Indoor / Outdoor	Site assessment	Indoor / Outdoor	One off activity	On commissioning		
Observed Condition Modifier	Switchgear External Condition	Section 6.9, Table 50	Y	Switchgear External Condition	Site assessment	As New, Normal Wear, Some	Ongoing routine inspection cycle	6 months		
Observed Condition Modifier	Oil Lakes / Pressure	Section 6.9, Table 51	Y	Oil Lakes / Pressure	Site assessment	Good, Slight Leak, Poor, Seve	Ongoing routine inspection cycle	6 months		
Observed Condition Modifier	Thermographic Assessment	Section 6.9, Table 52	N	Thermographic Assessment	Site assessment	Ambient or below, Above Amb	Ongoing routine inspection cycle	6 months		2018
Observed Condition Modifier	Switchgear Internal Condition and Opera	Section 6.9, Table 53	N	Switchgear Internal Condition and Operation	Site assessment	As New, Normal Wear, Some	Ongoing routine inspection cycle	12 years		2018
Observed Condition Modifier	Indoor Environment	Section 6.9, Table 54	Y	Indoor Environment	Site assessment	Better than expected, As expe	Ongoing routine inspection cycle	6 months		
Measured Condition Modifier	Partial Discharge	Section 6.10, Table 136	Y	Partial Discharge	Level of partial discharge measured	High (confirmed), high (unconf	Ongoing routine inspection cycle	6 months		
Measured Condition Modifier	Ductor Test	Section 6.10, Table 137	N	Ductor Test	Deterioration measured	As New, up to 10% deteriorati	Ongoing routine inspection cycle	12 years		2018
Measured Condition Modifier	IR Test	Section 6.10, Table 138	N	IR Test	Deterioration measured	As New, up to 10% deteriorati	Ongoing routine inspection cycle	12 years		2018
Measured Condition Modifier	Temperature Readings	Section 6.10, Table 140	N	Temperature Readings	Deterioration measured	Ambient or Below, Above Amb	Ongoing routine inspection cycle	6 months		2018
Measured Condition Modifier	Trip Test	Section 6.10, Table 141	Y	Trip Test	Pass, Fail	Pass, Fail	Ongoing routine inspection cycle	1 year		
Measured Condition Modifier - Oil Tests	Moisture	Section 6.11, Table 196, Eqn 20	Y	Moisture	Oil test result	ppm	Ongoing routine inspection cycle	12 years		
Measured Condition Modifier - Oil Tests	Acidity	Section 6.11, Table 197, Eqn 20	Y	Acidity	Oil test result	mg KOH/g	Ongoing routine inspection cycle	12 years		
Measured Condition Modifier - Oil Tests	Breakdown Strength	Section 6.11, Table 198, Eqn 20	Y	Breakdown Strength	Oil test result	kV	Ongoing routine inspection cycle	12 years		
Measured Condition Modifier - Oil Tests	Oil Temperature	Section 6.11	Y	Oil Temperature	Oil test result	Celsius	Ongoing routine inspection cycle	12 years		
Reliability Modifier	NEDeRs	Section 6.14	Y	NEDeRs	Notification, engineering judgement	Document	One off activity	On change		
Reliability Modifier	DINs	Section 6.14	Y	DINs	Notification, engineering judgement	Document	One off activity	On change		
Reliability Modifier	SOPs	Section 6.14	Y	SOPs	Notification, engineering judgement	Document	One off activity	On change		
Financial Consequences Factor	Access Financial Factor	Section 7.3.3.2, Table 214, Eqn 27	Y	Access Financial Factor	On site assessment	Type A / B / C	Ongoing routine inspection cycle	Live system update		
Safety Consequences Factor	Type Safety Factor	Section 7.4.3.1, Table 218, Eqn 29	Y	Type Safety Factor	Engineering judgement	Low, Medium, High	Real time data	Live system update		
Safety Consequences Factor	Location Safety Factor	Section 7.4.3.2, Table 218, Eqn 29	Y	Location Safety Factor	On site assessment	Low, Medium, High	Ongoing routine inspection cycle	1 year		
Environmental Consequences Factor	Type Environmental Factor (Insulating M	Section 7.5.3.1, Table 221, Eqn 32	Y	Type Environmental Factor	Rating plate value	Oil, SF6, Neither	One off activity	On commissioning		
Environmental Consequences Factor	Proximity Factor	Section 7.5.3.3, Table 223, Eqn 33	Y	Proximity Factor	ESRI location	metres	Real time data	Live system update		
Environmental Consequences Factor	Bundling Factor	Section 7.5.3.3, Table 223, Eqn 33	Y	Bundling Factor	Construction data	Bunded / Not bunded	One off activity	On commissioning		
Network Performance Consequence Factor	Customer Number Adjustment (Maximum	Section 7.6.2.2, Table 18, Eqn 36	Y	Max Demand	PI data	MVA	Real time data	1 year		
Network Performance Consequence Factor	Number of customers	Section 7.6.2.2, Eqn 36	Y	Customer numbers	PowerOn Data	Count	Real time data	Live system update		
Network Performance Consequence Factor	Number of vulnerable customers	Section 7.6.2.2	Y	Number of vulnerable customers	PowerOn Data	Count	Real time data	Live system update		

CNAIM calculation step	Data required	CNAIM document reference	Data collected	Data used to provide CNAIM input	Data type used	Format of data	Existing data collection policy	Frequency of data collection	Proposed future additional data collection	Comments
Initial Health Score	Age	Section 6.1.6, Eqn 4	Y	Age	Year of commissioning	Year	One off activity	On commissioning		
Initial Health Score - Location Factor	Distance from coast (X/Y Coordinates)	Section 6.4.2, Table 22	Y	X/Y	ESRI location	OS Grid Reference	Real time data	Live system update		
Initial Health Score - Location Factor	Altitude	Section 6.4.3, Table 23	Y	X/Y	ESRI location	metres	One off activity	Live system update		
Initial Health Score - Location Factor	Corrosion Category	Section 6.4.4, Table 24	Y	Corrosion Category	Site assessment	Value 1-5	One off activity	On commissioning		
Initial Health Score - Location Factor	Environment (Indoor / Outdoor)	Section 6.4	Y	Indoor / Outdoor	Site assessment	Indoor / Outdoor	One off activity	On commissioning		
Observed Condition Modifier	Switchgear External Condition	Section 6.9, Table 55	N	Switchgear External Condition	Site assessment	As New, Normal Wear, Some	Ongoing routine inspection cycle	1 year		2018
Observed Condition Modifier	Oil Lakes / Pressure	Section 6.9, Table 56	N	Oil Lakes / Pressure	Site assessment	Good, Slight Leak, Poor, Seve	Ongoing routine inspection cycle	1 year		2018
Observed Condition Modifier	Thermographic Assessment	Section 6.9, Table 57	N	Thermographic Assessment	Site assessment	Ambient or below, Above Amb	Ongoing routine inspection cycle	1 year		2018
Observed Condition Modifier	Switchgear Internal Condition and Opera	Section 6.9, Table 58	N	Switchgear Internal Condition and Operation	Site assessment	As New, Normal Wear, Some	Ongoing routine inspection cycle	12 - 18 years		2018
Observed Condition Modifier	Indoor Environment	Section 6.9, Table 59	N	Indoor Environment	Site assessment	Better than expected, As expe	Ongoing routine inspection cycle	1 year		2018
Measured Condition Modifier	Partial Discharge	Section 6.10, Table 142	Y	Partial Discharge	Level of partial discharge measured	High (confirmed), high (unconfi	Ongoing routine inspection cycle	1 year		
Measured Condition Modifier	Ductor Test	Section 6.10, Table 143	N	Ductor Test	Deterioration measured	As New, up to 10% deteriorati	Ongoing routine inspection cycle	12 - 18 years		2018
Measured Condition Modifier	Temperature Readings	Section 6.10, Table 145	N	Temperature Readings	Deterioration measured	Ambient or Below, Above Amb	Ongoing routine inspection cycle	1 year		2018
Measured Condition Modifier	Trip Test	Section 6.10, Table 146	N	Trip Test	Pass, Fail	Pass, Fail	Ongoing routine inspection cycle	n/a	n/a	
Measured Condition Modifier - Oil Tests	Moisture	Section 6.11, Table 196, Eqn 20	Y	Moisture	Oil test result	ppm	Ongoing routine inspection cycle	12 - 18 years		
Measured Condition Modifier - Oil Tests	Acidity	Section 6.11, Table 197, Eqn 20	Y	Acidity	Oil test result	mg KOH/g	Ongoing routine inspection cycle	12 - 18 years		
Measured Condition Modifier - Oil Tests	Breakdown Strength	Section 6.11, Table 198, Eqn 20	Y	Breakdown Strength	Oil test result	kV	Ongoing routine inspection cycle	12 - 18 years		
Measured Condition Modifier - Oil Tests	Oil Temperature	Section 6.11	Y	Oil Temperature	Oil test result	Celsius	Ongoing routine inspection cycle	12 - 18 years		
Reliability Modifier	NEDeRs	Section 6.14	Y	NEDeRs	Notification, engineering judgement	Document	One off activity	On change		
Reliability Modifier	DINs	Section 6.14	Y	DINs	Notification, engineering judgement	Document	One off activity	On change		
Reliability Modifier	SOPs	Section 6.14	Y	SOPs	Notification, engineering judgement	Document	One off activity	On change		
Financial Consequences Factor	Access Financial Factor	Section 7.3.3.2, Table 214, Eqn 27	Y	Access Financial Factor	On site assessment	Type A / B / C	Ongoing routine inspection cycle	Live system update		
Safety Consequences Factor	Type Safety Factor	Section 7.4.3.1, Table 218, Eqn 29	Y	Type Safety Factor	Engineering judgement	Low, Medium, High	Real time data	Live system update		
Safety Consequences Factor	Location Safety Factor	Section 7.4.3.2, Table 218, Eqn 29	Y	Location Safety Factor	On site assessment	Low, Medium, High	Ongoing routine inspection cycle	1 year		
Environmental Consequences Factor	Type Environmental Factor (Insulating M	Section 7.5.3.1, Table 221, Eqn 32	Y	Type Environmental Factor	Rating plate value	Oil, SF6, Neither	One off activity	On commissioning		
Environmental Consequences Factor	Proximity Factor	Section 7.5.3.3, Table 223, Eqn 33	Y	Proximity Factor	ESRI location	metres	Real time data	Live system update		
Environmental Consequences Factor	Bundling Factor	Section 7.5.3.3, Table 223, Eqn 33	Y	Bundling Factor	Construction data	Bunded / Not bunded	One off activity	On commissioning		
Network Performance Consequence Factor	Customer Number Adjustment (Maximum	Section 7.6.2.2, Table 18, Eqn 36	Y	Max Demand	PI data	MVA	Real time data	1 year		
Network Performance Consequence Factor	Number of customers	Section 7.6.2.2, Eqn 36	Y	Customer numbers	PowerOn Data	Count	Real time data	Live system update		
Network Performance Consequence Factor	Number of vulnerable customers	Section 7.6.2.2	Y	Number of vulnerable customers	PowerOn Data	Count	Real time data	Live system update		

CNAIM calculation step	Data required	CNAIM document reference	Data collected	Data used to provide CNAIM input	Data type used	Format of data	Existing data collection policy	Frequency of data collection	Proposed future additional data collection	Comments
Initial Health Score	Age	Section 6.1.6, Eqn 4	Y	Age	Year of commissioning	Year	One off activity	On commissioning		
Initial Health Score - Location Factor	Distance from coast (X/Y Coordinates)	Section 6.4.2, Table 22	Y	X/Y	ESRI location	OS Grid Reference	Real time data	Live system update		
Initial Health Score - Location Factor	Altitude	Section 6.4.3, Table 23	Y	X/Y	ESRI location	metres	One off activity	Live system update		
Initial Health Score - Location Factor	Corrosion Category	Section 6.4.4, Table 24	Y	Corrosion Category	Site assessment	Value 1-5	One off activity	On commissioning		
Initial Health Score - Location Factor	Environment (Indoor / Outdoor)	Section 6.4	Y	Indoor / Outdoor	Site assessment	Indoor / Outdoor	One off activity	On commissioning		
Observed Condition Modifier	Switchgear external condition	Section 6.9, Table 40	Y	Switchgear external condition	Site assessment	As New, Normal Wear, Some	Ongoing routine inspection cycle	6 months to 18 years		
Measured Condition Modifier	Operational Adequacy	Section 6.10, Table 132	Y	Operational Adequacy	Site assessment	Acceptable, Not Acceptable	Ongoing routine inspection cycle	During use		
Reliability Modifier	NEDeRs	Section 6.14	Y	NEDeRs	Notification, engineering judgement	Document	One off activity	On change		
Reliability Modifier	DINs	Section 6.14	Y	DINs	Notification, engineering judgement	Document	One off activity	On change		
Reliability Modifier	SOPs	Section 6.14	Y	SOPs	Notification, engineering judgement	Document	One off activity	On change		
Financial Consequences Factor	Access Financial Factor	Section 7.3.3.2, Table 214, Eqn 27	Y	Access Financial Factor	On site assessment	Type A / B / C	Ongoing routine inspection cycle	Live system update		
Safety Consequences Factor	Type Safety Factor	Section 7.4.3.1, Table 218, Eqn 29	Y	Type Safety Factor	Engineering judgement	Low, Medium, High	Real time data	Live system update		
Safety Consequences Factor	Location Safety Factor	Section 7.4.3.2, Table 218, Eqn 29	Y	Location Safety Factor	On site assessment	Low, Medium, High	Ongoing routine inspection cycle	1 year		
Network Performance Consequence Factor	Customer Number Adjustment (Maximum)	Section 7.6.2.2, Table 18, Eqn 36	N/A	Max Demand	PI data	MVA	Real time data	Live system update		
Network Performance Consequence Factor	Number of customers	Section 7.6.2.2, Eqn 36	Y	Customer numbers	PowerOn Data	Count	Real time data	Live system update		
Network Performance Consequence Factor	Number of vulnerable customers	Section 7.6.2.2	Y	Number of vulnerable customers	PowerOn Data	Count	Real time data	Live system update		

CNAIM calculation step	Data required	CNAIM document reference	Data collected	Data used to provide CNAIM input	Data type used	Format of data	Existing data collection policy	Frequency of data collection	Proposed future additional data collection	Comments
Initial Health Score	Age	Section 6.1.6, Eqn 4	Y	Age	Year of commissioning	Year	One off activity	On commissioning		
Initial Health Score - Location Factor	Distance from coast (X/Y Coordinates)	Section 6.4.2, Table 22	Y	X/Y	ESRI location	OS Grid Reference	Real time data	Live system update		
Initial Health Score - Location Factor	Altitude	Section 6.4.3, Table 23	Y	X/Y	ESRI location	metres	One off activity	Live system update		
Initial Health Score - Location Factor	Corrosion Category	Section 6.4.4, Table 24	Y	Corrosion Category	Site assessment	Value 1-5	One off activity	On commissioning		
Initial Health Score - Location Factor	Environment (Indoor / Outdoor)	Section 6.4	Y	Indoor / Outdoor	Site assessment	Indoor / Outdoor	One off activity	On commissioning		
Observed Condition Modifier	Switchgear external condition	Section 6.9, Table 41	Y	Switchgear external condition	Site assessment	As New, Normal Wear, Some	Ongoing routine inspection cycle	6 months to 18 years		
Observed Condition Modifier	Compound Leaks	Section 6.9, Table 42	Y	Compound Leaks	Site assessment	Good, Slight Leak, Poor	Ongoing routine inspection cycle	6 months to 18 years		
Observed Condition Modifier	Switchgear Internal Condition	Section 6.9, Table 43	Y	Switchgear Internal Condition	Site assessment	As New, Normal Wear, Some	Ongoing routine inspection cycle	6 months to 18 years		
Measured Condition Modifier	Operational Adequacy	Section 6.10, Table 133	Y	Operational Adequacy	Site assessment	Operable, Inoperable - Secure	Ongoing routine inspection cycle	6 months to 18 years		
Measured Condition Modifier	Security	Section 6.10, Table 134	Y	Security	Site assessment	Satisfactory, Unsatisfactory	Ongoing routine inspection cycle	During use		
Reliability Modifier	NEDeRs	Section 6.14	Y	NEDeRs	Notification, engineering judgement	Document	One off activity	On change		
Reliability Modifier	DINs	Section 6.14	Y	DINs	Notification, engineering judgement	Document	One off activity	On change		
Reliability Modifier	SOPs	Section 6.14	Y	SOPs	Notification, engineering judgement	Document	One off activity	On change		
Financial Consequences Factor	Type Financial Factor (Asbestos)	Section 7.3.3.1, Table 212, Eqn 27	Y	Type Financial Factor	Site assessment	Non Asbestos Clad / Asbestos	Ongoing routine inspection cycle	On commissioning		
Financial Consequences Factor	Access Financial Factor	Section 7.3.3.2, Table 214, Eqn 27	Y	Access Financial Factor	On site assessment	Type A / B / C	Ongoing routine inspection cycle	Live system update		
Safety Consequences Factor	Type Safety Factor	Section 7.4.3.1, Table 218, Eqn 29	Y	Type Safety Factor	Engineering judgement	Low, Medium, High	Real time data	Live system update		
Safety Consequences Factor	Location Safety Factor	Section 7.4.3.2, Table 218, Eqn 29	Y	Location Safety Factor	On site assessment	Low, Medium, High	Ongoing routine inspection cycle	1 year		
Network Performance Consequence Factor	Customer Number Adjustment (Maximum)	Section 7.6.2.2, Table 18, Eqn 36	N/A	Max Demand	PI data	MVA	Real time data	1 year		
Network Performance Consequence Factor	Number of customers	Section 7.6.2.2, Eqn 36	Y	Customer numbers	PowerOn Data	Count	Real time data	Live system update		
Network Performance Consequence Factor	Number of vulnerable customers	Section 7.6.2.2	Y	Number of vulnerable customers	PowerOn Data	Count	Real time data	Live system update		

CNAIM calculation step	Data required	CNAIM document reference	Data collected	Data used to provide CNAIM input	Data type used	Format of data	Existing data collection policy	Frequency of data collection	Proposed future additional data collection	Comments
Initial Health Score	Age	Section 6.1.6, Eqn 4	Y	Age	Year of commissioning	Year	One off activity	On commissioning		
Initial Health Score - Location Factor	Distance from coast (X/Y Coordinates)	Section 6.4.2, Table 22	Y	X/Y	ESRI location	OS Grid Reference	Real time data	Live system update		
Initial Health Score - Location Factor	Altitude	Section 6.4.3, Table 23	Y	X/Y	ESRI location	metres	One off activity	Live system update		
Initial Health Score - Location Factor	Corrosion Category	Section 6.4.4, Table 24	Y	Corrosion Category	Site assessment	Value 1-5	One off activity	On commissioning		
Initial Health Score - Location Factor	Environment (Indoor / Outdoor)	Section 6.4	Y	Indoor / Outdoor	Site assessment	Indoor / Outdoor	One off activity	On commissioning		
Observed Condition Modifier	Switchgear external condition	Section 6.9, Table 44	Y	Switchgear external condition	Site assessment	As New, Normal Wear, Some	Ongoing routine inspection cycle	6 months - 18 years		
Observed Condition Modifier	Compound Leaks	Section 6.9, Table 45	Y	Compound Leaks	Site assessment	Good, Slight Leak, Poor	Ongoing routine inspection cycle	6 months - 18 years		
Observed Condition Modifier	Switchgear Internal Condition	Section 6.9, Table 46	Y	Switchgear Internal Condition	Site assessment	As New, Normal Wear, Some	Ongoing routine inspection cycle	6 months - 18 years		
Observed Condition Modifier	Insulation condition	Section 6.9, Table 47	Y	Insulation condition	Site assessment	Satisfactory, Some deterioratio	Ongoing routine inspection cycle	6 months - 18 years		
Observed Condition Modifier	Signs of heating	Section 6.9, Table 48	Y	Signs of heating	Site assessment	No deterioration, Minor deterio	Ongoing routine inspection cycle	6 months - 18 years		
Observed Condition Modifier	Phase barriers	Section 6.9, Table 49	Y	Phase barriers	Site assessment	Present, Missing	Ongoing routine inspection cycle	6 months - 18 years		
Measured Condition Modifier	Operational Adequacy	Section 6.10, Table 135	Y	Operational Adequacy	Site assessment	Operable, Inoperable - Secure	Ongoing routine inspection cycle	During use		
Reliability Modifier	NEDeRs	Section 6.14	Y	NEDeRs	Notification, engineering judgement	Document	One off activity	On change		
Reliability Modifier	DINs	Section 6.14	Y	DINs	Notification, engineering judgement	Document	One off activity	On change		
Reliability Modifier	SOPs	Section 6.14	Y	SOPs	Notification, engineering judgement	Document	One off activity	On change		
Financial Consequences Factor	Access Financial Factor	Section 7.3.3.2, Table 214, Eqn 27	Y	Access Financial Factor	On site assessment	Type A / B / C	Ongoing routine inspection cycle	Live system update		
Safety Consequences Factor	Type Safety Factor	Section 7.4.3.1, Table 218, Eqn 29	Y	Type Safety Factor	Engineering judgement	Low, Medium, High	Real time data	Live system update		
Safety Consequences Factor	Location Safety Factor	Section 7.4.3.2, Table 218, Eqn 29	Y	Location Safety Factor	On site assessment	Low, Medium, High	Ongoing routine inspection cycle	1 year		
Network Performance Consequence Factor	Customer Number Adjustment (Maximum)	Section 7.6.2.2, Table 18, Eqn 36	N/A	Max Demand	PI data	MVA	Real time data	1 year		
Network Performance Consequence Factor	Number of customers	Section 7.6.2.2, Eqn 36	Y	Customer numbers	PowerOn Data	Count	Real time data	Live system update		
Network Performance Consequence Factor	Number of vulnerable customers	Section 7.6.2.2	Y	Number of vulnerable customers	PowerOn Data	Count	Real time data	Live system update		

CNAIM calculation step	Data required	CNAIM document reference	Data collected	Data used to provide CNAIM input	Data type used	Format of data	Existing data collection policy	Frequency of data collection	Proposed future additional data collection	Comments
Initial Health Score	Age	Section 6.1.6, Eqn 4	Y	Age	Year of commissioning	Year	One off activity	On commissioning		
Observed Condition Modifier	Steel covers and Pit condition	Section 6.9, Table 34	Y	Steel covers and Pit condition	Site assessment	As New, Normal Wear, Some	Ongoing routine inspection cycle	3-9 years (risk based)		
Observed Condition Modifier	Water / Moisture	Section 6.9, Table 35	Y	Water / Moisture	Site assessment	None, Present in pit, Present in	Ongoing routine inspection cycle	3-9 years (risk based)		
Observed Condition Modifier	Bell Condition	Section 6.9, Table 36	Y	Bell Condition	Site assessment	As New, Normal Wear, Some	Ongoing routine inspection cycle	3-9 years (risk based)		
Observed Condition Modifier	Insulation condition	Section 6.9, Table 37	Y	Insulation condition	Site assessment	Satisfactory, Some deteriorated	Ongoing routine inspection cycle	3-9 years (risk based)		
Observed Condition Modifier	Signs of heating	Section 6.9, Table 38	Y	Signs of heating	Site assessment	No deterioration, Minor deteriorated	Ongoing routine inspection cycle	3-9 years (risk based)		
Observed Condition Modifier	Phase barriers	Section 6.9, Table 39	Y	Phase barriers	Site assessment	Present, Missing	Ongoing routine inspection cycle	3-9 years (risk based)		
Measured Condition Modifier	Operational Adequacy	Section 6.10, Table 131	Y	Operational Adequacy	Site assessment	Operable, Inoperable	Ongoing routine inspection cycle	3-9 years (risk based)		
Reliability Modifier	NEDeRs	Section 6.14	Y	NEDeRs	Notification, engineering judgement	Document	One off activity	On change		
Reliability Modifier	DINs	Section 6.14	Y	DINs	Notification, engineering judgement	Document	One off activity	On change		
Reliability Modifier	SOPs	Section 6.14	Y	SOPs	Notification, engineering judgement	Document	One off activity	On change		
Financial Consequences Factor	Access Financial Factor	Section 7.3.3.2, Table 214, Eqn 27	Y	Access Financial Factor	On site assessment	Type A / B / C	Ongoing routine inspection cycle	Live system update		
Safety Consequences Factor	Type Safety Factor	Section 7.4.3.1, Table 218, Eqn 29	Y	Type Safety Factor	Engineering judgement	Low, Medium, High	Real time data	Live system update		
Safety Consequences Factor	Location Safety Factor	Section 7.4.3.2, Table 218, Eqn 29	Y	Location Safety Factor	On site assessment	Low, Medium, High	Ongoing routine inspection cycle	1 year		
Network Performance Consequence Factor	Customer Number Adjustment (Maximum)	Section 7.6.2.2, Table 18, Eqn 36	N/A	Max Demand	PI data	MVA	Real time data	1 year		
Network Performance Consequence Factor	Number of customers	Section 7.6.2.2, Eqn 36	Y	Customer numbers	PowerOn Data	Count	Real time data	Live system update		
Network Performance Consequence Factor	Number of vulnerable customers	Section 7.6.2.2	Y	Number of vulnerable customers	PowerOn Data	Count	Real time data	Live system update		

CNAIM calculation step	Data required	CNAIM document reference	Data collected	Data used to provide CNAIM input	Data type used	Format of data	Existing data collection policy	Frequency of data collection	Proposed future additional data collection	Comments
Initial Health Score	Age	Section 6.1.6, Eqn 4	Y	Age	Year of commissioning	Year	One off activity	On commissioning		
Initial Health Score - Duty Factor	Operating Voltage	Section 6.6, Table 33	Y	Operating Voltage	Single line diagram	kV	On change	On commissioning		
Initial Health Score - Duty Factor	Rating (Voltage)	Section 6.6, Table 33	Y	Rating	Commissioned value	kV	One off activity	On commissioning		
Measured Condition Modifier	Leakage	Section 6.10, Table 162	Y	Leakage	Intervention history	No (or very low) historic leakage	Ongoing routine inspection cycle	On change		
Reliability Modifier	NEDeRs	Section 6.14	Y	NEDeRs	Notification, engineering judgement	Document	One off activity	On change		
Reliability Modifier	DINs	Section 6.14	Y	DINs	Notification, engineering judgement	Document	One off activity	On change		
Reliability Modifier	SOPs	Section 6.14	Y	SOPs	Notification, engineering judgement	Document	One off activity	On change		
Safety Consequences Factor	Buried / Exposed	Section 7.4.3, Table 219, Eqn 29	Y	Buried / Exposed	On site assessment	Low, Medium, High	Real time data	Live system update		
Environmental Consequences Factor	Proximity Factor	Section 7.5.3.3, Table 223, Eqn 33	Y	Proximity Factor	ESRi location	metres	Real time data	Live system update		
Environmental Consequences Factor	Bundling Factor	Section 7.5.3.3, Table 223, Eqn 33	Y	Bundling Factor	Construction data	Bunded / Not bunded	One off activity	On commissioning		
Network Performance Consequence Factor	Load at risk (Max Demand)	Section 7.6.3.2, Eqn 40	Y	Max Demand	PI data	MVA	Real time data	1 year		
Network Performance Consequence Factor	Network Type Factor (Secure / Not Secure)	Section 7.6.3.2, Eqn 39	Y	Secure / Not Secure	Single line diagram	Secure / Not Secure	One off activity	On change		

CNAIM calculation step	Data required	CNAIM document reference	Data collected	Data used to provide CNAIM input	Data type used	Format of data	Existing data collection policy	Frequency of data collection	Proposed future additional data collection	Comments
Initial Health Score	Age	Section 6.1.6, Eqn 4	Y	Age	Year of commissioning	Year	One off activity	On commissioning		
Initial Health Score - Duty Factor	Operating Voltage	Section 6.6, Table 33	Y	Operating Voltage	Single line diagram	kV	On change	On commissioning		
Initial Health Score - Duty Factor	Rating (Voltage)	Section 6.6, Table 33	Y	Rating	Commissioned value	kV	One off activity	On commissioning		
Measured Condition Modifier	Leakage	Section 6.10, Table 181	Y	Leakage	Intervention history	No (or very low) historic leakage	Ongoing routine inspection cycle	On change		
Reliability Modifier	NEDeRs	Section 6.14	Y	NEDeRs	Notification, engineering judgement	Document	One off activity	On change		
Reliability Modifier	DINs	Section 6.14	Y	DINs	Notification, engineering judgement	Document	One off activity	On change		
Reliability Modifier	SOPs	Section 6.14	Y	SOPs	Notification, engineering judgement	Document	One off activity	On change		
Safety Consequences Factor	Buried / Exposed	Section 7.4.3, Table 219, Eqn 29	Y	Buried / Exposed	On site assessment	Low, Medium, High	Real time data	Live system update		
Network Performance Consequence Factor	Load at risk (Max Demand)	Section 7.6.3.2, Eqn 40	Y	Max Demand	PI data	MVA	Real time data	1 year		
Network Performance Consequence Factor	Network Type Factor (Secure / Not Secure)	Section 7.6.3.2, Eqn 39	Y	Secure / Not Secure	Single line diagram	Secure / Not Secure	One off activity	On change		

CNAIM calculation step	Data required	CNAIM document reference	Data collected	Data used to provide CNAIM input	Data type used	Format of data	Existing data collection policy	Frequency of data collection	Proposed future additional data collection	Comments
Initial Health Score	Age	Section 6.1.6, Eqn 4	Y	Age	Year of commissioning	Year	One off activity	On commissioning		
Initial Health Score - Duty Factor	Operating Voltage	Section 6.6, Table 33	Y	Operating Voltage	Single line diagram	kV	On change	On commissioning		
Initial Health Score - Duty Factor	Rating (Voltage)	Section 6.6, Table 33	Y	Rating	Commissioned value	kV	One off activity	On commissioning		
Measured Condition Modifier	Sheath Test	Section 6.10, Table 175	N	Sheath Test	On site assessment	Pass, Failed Minor, Failed Major	Ongoing routine inspection cycle	Circuit by circuit basis		2018
Measured Condition Modifier	Partial Discharge	Section 6.10, Table 176	N	Partial Discharge	On site assessment	Low, Medium, High	Ongoing routine inspection cycle	Circuit by circuit basis		2018
Measured Condition Modifier	Fault History	Section 6.10, Table 177	Y	Fault History	Fault records, engineering judgement	0, <0.01/km, Between 0.01 and 0.1/km	Ongoing routine inspection cycle	Ongoing		
Reliability Modifier	NEDeRs	Section 6.14	Y	NEDeRs	Notification, engineering judgement	Document	One off activity	On change		
Reliability Modifier	DINs	Section 6.14	Y	DINs	Notification, engineering judgement	Document	One off activity	On change		
Reliability Modifier	SOPs	Section 6.14	Y	SOPs	Notification, engineering judgement	Document	One off activity	On change		
Safety Consequences Factor	Buried / Exposed	Section 7.4.3, Table 219, Eqn 29	Y	Buried / Exposed	On site assessment	Low, Medium, High	Real time data	Live system update		
Network Performance Consequence Factor	Load at risk (Max Demand)	Section 7.6.3.2, Eqn 40	Y	Max Demand	PI data	MVA	Real time data	1 year		
Network Performance Consequence Factor	Network Type Factor (Secure / Not Secure)	Section 7.6.3.2, Eqn 39	Y	Secure / Not Secure	Single line diagram	Secure / Not Secure	One off activity	On change		

CNAIM calculation step	Data required	CNAIM document reference	Data collected	Data used to provide CNAIM input	Data type used	Format of data	Existing data collection policy	Frequency of data collection	Proposed future additional data collection	Comments
Initial Health Score	Age	Section 6.1.6, Eqn 4	Y	Age	Year of commissioning	Year	One off activity	On commissioning		
Initial Health Score - Duty Factor	Operating Voltage	Section 6.6, Table 33	Y	Operating Voltage	Single line diagram	kV	On change	On commissioning		
Initial Health Score - Duty Factor	Rating (Voltage)	Section 6.6, Table 33	Y	Rating	Commissioned value	kV	One off activity	On commissioning		
Measured Condition Modifier	Leakage	Section 6.10, Table 12	Y	Leakage	Intervention history	No (or very low) historic leakage	Ongoing routine inspection cycle	On change		
Reliability Modifier	NEDeRs	Section 6.14	Y	NEDeRs	Notification, engineering judgement	Document	One off activity	On change		
Reliability Modifier	DINs	Section 6.14	Y	DINs	Notification, engineering judgement	Document	One off activity	On change		
Reliability Modifier	SOPs	Section 6.14	Y	SOPs	Notification, engineering judgement	Document	One off activity	On change		
Safety Consequences Factor	Buried / Exposed	Section 7.4.3, Table 219, Eqn 29	Y	Buried / Exposed	On site assessment	Low, Medium, High	Real time data	Live system update		
Environmental Consequences Factor	Proximity Factor	Section 7.5.3.3, Table 223, Eqn 33	Y	Proximity Factor	ESRi location	metres	Real time data	Live system update		
Environmental Consequences Factor	Bundling Factor	Section 7.5.3.3, Table 223, Eqn 33	Y	Bundling Factor	Construction data	Bunded / Not bunded	One off activity	On commissioning		
Network Performance Consequence Factor	Load at risk (Max Demand)	Section 7.6.3.2, Eqn 40	Y	Max Demand	PI data	MVA	Real time data	1 year		
Network Performance Consequence Factor	Network Type Factor (Secure / Not Secure)	Section 7.6.3.2, Eqn 39	Y	Secure / Not Secure	Single line diagram	Secure / Not Secure	One off activity	On change		

CNAIM calculation step	Data required	CNAIM document reference	Data collected	Data used to provide CNAIM input	Data type used	Format of data	Existing data collection policy	Frequency of data collection	Proposed future additional data collection	Comments
Initial Health Score	Age	Section 6.1.6, Eqn 4	Y	Age	Year of commissioning	Year	One off activity	On commissioning		
Initial Health Score - Duty Factor	Operating Voltage	Section 6.6, Table 33	Y	Operating Voltage	Single line diagram	kV	On change	On commissioning		
Initial Health Score - Duty Factor	Rating (Voltage)	Section 6.6, Table 33	Y	Rating	Commissioned value	kV	One off activity	On commissioning		
Measured Condition Modifier	Leakage	Section 6.10, Table 174	Y	Leakage	Intervention history	No (or very low) historic leakage	Ongoing routine inspection cycle	On change		
Reliability Modifier	NEDeRs	Section 6.14	Y	NEDeRs	Notification, engineering judgement	Document	One off activity	On change		
Reliability Modifier	DINs	Section 6.14	Y	DINs	Notification, engineering judgement	Document	One off activity	On change		
Reliability Modifier	SOPs	Section 6.14	Y	SOPs	Notification, engineering judgement	Document	One off activity	On change		
Safety Consequences Factor	Buried / Exposed	Section 7.4.3, Table 219, Eqn 29	Y	Buried / Exposed	On site assessment	Low, Medium, High	Real time data	Live system update		
Network Performance Consequence Factor	Load at risk (Max Demand)	Section 7.6.3.2, Eqn 40	Y	Max Demand	PI data	MVA	Real time data	1 year		
Network Performance Consequence Factor	Network Type Factor (Secure / Not Secure)	Section 7.6.3.2, Eqn 39	Y	Secure / Not Secure	Single line diagram	Secure / Not Secure	One off activity	On change		

CNAIM calculation step	Data required	CNAIM document reference	Data collected	Data used to provide CNAIM input	Data type used	Format of data	Existing data collection policy	Frequency of data collection	Proposed future additional data collection	Comments
Initial Health Score	Age	Section 6.1.6, Eqn 4	Y	Age	Year of commissioning	Year	One off activity	On commissioning		
Initial Health Score - Duty Factor	Operating Voltage	Section 6.6, Table 33	Y	Operating Voltage	Single line diagram	kV	On change	On commissioning		
Initial Health Score - Duty Factor	Rating (Voltage)	Section 6.6, Table 33	Y	Rating	Commissioned value	kV	One off activity	On commissioning		
Measured Condition Modifier	Sheath Test	Section 6.10, Table 168	N	Sheath Test	On site assessment	Pass, Failed Minor, Failed Major	Ongoing routine inspection cycle	Circuit by circuit basis		2018
Measured Condition Modifier	Partial Discharge	Section 6.10, Table 169	N	Partial Discharge	On site assessment	Low, Medium, High	Ongoing routine inspection cycle	Circuit by circuit basis		2018
Measured Condition Modifier	Fault History	Section 6.10, Table 170	Y	Fault History	Fault records, engineering judgement	0, <0.01/km, Between 0.01 and 0.1/km	Ongoing routine inspection cycle	Ongoing		
Reliability Modifier	NEDeRs	Section 6.14	Y	NEDeRs	Notification, engineering judgement	Document	One off activity	On change		
Reliability Modifier	DINs	Section 6.14	Y	DINs	Notification, engineering judgement	Document	One off activity	On change		
Reliability Modifier	SOPs	Section 6.14	Y	SOPs	Notification, engineering judgement	Document	One off activity	On change		
Safety Consequences Factor	Buried / Exposed	Section 7.4.3, Table 219, Eqn 29	Y	Buried / Exposed	On site assessment	Low, Medium, High	Real time data	Live system update		
Network Performance Consequence Factor	Load at risk (Max Demand)	Section 7.6.3.2, Eqn 40	Y	Max Demand	PI data	MVA	Real time data	1 year		
Network Performance Consequence Factor	Network Type Factor (Secure / Not Secure)	Section 7.6.3.2, Eqn 39	Y	Secure / Not Secure	Single line diagram	Secure / Not Secure	One off activity	On change		

CNAIM calculation step	Data required	CNAIM document reference	Data collected	Data used to provide CNAIM input	Data type used	Format of data	Existing data collection policy	Frequency of data collection	Proposed future additional data collection	Comments
Initial Health Score	Age	Section 6.1.6, Eqn 4	Y	Age	Year of commissioning	Year	One off activity	On commissioning		
Initial Health Score - Duty Factor	Operating Voltage	Section 6.6, Table 33	Y	Operating Voltage	Single line diagram	kV	On change	On commissioning		
Initial Health Score - Duty Factor	Rating (Voltage)	Section 6.6, Table 33	Y	Rating	Commissioned value	kV	One off activity	On commissioning		
Initial Health Score - Location Factor	Situation of body of water	Section 6.5.2, Table 26	Y	Situation of body of water	Geographical information	Sea / Landlocked	One off activity	On commissioning		
Initial Health Score - Location Factor	Topography	Section 6.5.2, Table 26	Y	Topography	Geographical conditions	Low Detrimental Topography, I	One off activity	On commissioning		
Initial Health Score - Location Factor	Situation factor	Section 6.5.3, Table 27	Y	Situation factor	Geographical conditions	Laid on bed, Covered, Buried	One off activity	On commissioning		
Initial Health Score - Location Factor	Wave Energy	Section 6.5.4, Table 28	N	Wave Energy	Geographical conditions	Sheltered Sea Loch, <15kW/m	One off activity	By exception		2018
Initial Health Score - Location Factor	Wind Energy	Section 6.5.4, Table 28	N	Wind Energy	Geographical conditions	<200W/m2, Between 200 and	One off activity	By exception		2018
Initial Health Score - Location Factor	Wind & Wave Intensity	Section 6.5.5, Table 29	N	Wind & Wave Intensity	Geographical conditions	Low, Moderate, High	One off activity	By exception		2018
Observed Condition Modifier	External Condition of Armour	Section 6.9, Table 94	N/A	External Condition of Armour	On site assessment	Good, Poor, Critical	Ongoing routine inspection cycle	1 year	N/A	
Measured Condition Modifier	Sheath Test	Section 6.10, Table 182	N	Sheath Test	On site assessment	Pass, Failed Minor, Failed Major	Ongoing routine inspection cycle	Circuit by circuit basis		2018
Measured Condition Modifier	Partial Discharge	Section 6.10, Table 183	N	Partial Discharge	On site assessment	Low, Medium, High	Ongoing routine inspection cycle	Circuit by circuit basis		2018
Measured Condition Modifier	Fault History	Section 6.10, Table 184	Y	Fault History	Fault records, engineering judgement	0, <0.01/km, Between 0.01 and	Ongoing routine inspection cycle	Ongoing		
Reliability Modifier	NEDeRs	Section 6.14	Y	NEDeRs	Notification, engineering judgement	Document	One off activity	On change		
Reliability Modifier	DINs	Section 6.14	Y	DINs	Notification, engineering judgement	Document	One off activity	On change		
Reliability Modifier	SOPs	Section 6.14	Y	SOPs	Notification, engineering judgement	Document	One off activity	On change		
Network Performance Consequence Factor	Load at risk (Max Demand)	Section 7.6.3.2, Eqn 40	Y	Max Demand	PI data	MVA	Real time data	1 year		
Network Performance Consequence Factor	Network Type Factor (Secure / Not Secure)	Section 7.6.3.2, Eqn 39	Y	Secure / Not Secure	Single line diagram	Secure / Not Secure	One off activity	On change		

CNAIM calculation step	Data required	CNAIM document reference	Data collected	Data used to provide CNAIM input	Data type used	Format of data	Existing data collection policy	Frequency of data collection	Proposed future additional data collection	Comments
Initial Health Score	Age	Section 6.1.6, Eqn 4	Y	Age	Year of commissioning	Year	One off activity	On commissioning		
Initial Health Score - Duty Factor	Operating Voltage	Section 6.6, Table 33	Y	Operating Voltage	Single line diagram	kV	On change	On commissioning		
Initial Health Score - Duty Factor	Rating (Voltage)	Section 6.6, Table 33	Y	Rating	Commissioned value	kV	One off activity	On commissioning		
Initial Health Score - Location Factor	Situation of body of water	Section 6.5.2, Table 26	Y	Situation of body of water	Geographical information	Sea / Landlocked	One off activity	On commissioning		
Initial Health Score - Location Factor	Topography	Section 6.5.2, Table 26	Y	Topography	Geographical conditions	Low Detrimental Topography, I	One off activity	On commissioning		
Initial Health Score - Location Factor	Situation factor	Section 6.5.3, Table 27	Y	Situation factor	Geographical conditions	Laid on bed, Covered, Buried	One off activity	On commissioning		
Initial Health Score - Location Factor	Wave Energy	Section 6.5.4, Table 28	N	Wave Energy	Geographical conditions	Sheltered Sea Loch, <15kW/m	One off activity	By exception		2018
Initial Health Score - Location Factor	Wind Energy	Section 6.5.4, Table 28	N	Wind Energy	Geographical conditions	<200W/m2, Between 200 and	One off activity	By exception		2018
Initial Health Score - Location Factor	Wind & Wave Intensity	Section 6.5.5, Table 29	N	Wind & Wave Intensity	Geographical conditions	Low, Moderate, High	One off activity	By exception		2018
Observed Condition Modifier	External Condition of Armour	Section 6.9, Table 94	N/A	External Condition of Armour	On site assessment	Good, Poor, Critical	Ongoing routine inspection cycle	1 year	N/A	
Measured Condition Modifier	Sheath Test	Section 6.10, Table 182	N	Sheath Test	On site assessment	Pass, Failed Minor, Failed Major	Ongoing routine inspection cycle	Circuit by circuit basis		2018
Measured Condition Modifier	Partial Discharge	Section 6.10, Table 183	N	Partial Discharge	On site assessment	Low, Medium, High	Ongoing routine inspection cycle	Circuit by circuit basis		2018
Measured Condition Modifier	Fault History	Section 6.10, Table 184	Y	Fault History	Fault records, engineering judgement	0, <0.01/km, Between 0.01 and	Ongoing routine inspection cycle	Ongoing		
Reliability Modifier	NEDeRs	Section 6.14	Y	NEDeRs	Notification, engineering judgement	Document	One off activity	On change		
Reliability Modifier	DINs	Section 6.14	Y	DINs	Notification, engineering judgement	Document	One off activity	On change		
Reliability Modifier	SOPs	Section 6.14	Y	SOPs	Notification, engineering judgement	Document	One off activity	On change		
Network Performance Consequence Factor	Customer Number Adjustment (Maximum)	Section 7.6.2.2, Table 18, Eqn 36	Y	Max Demand	PI data	MVA	Real time data	1 year		
Network Performance Consequence Factor	Number of customers	Section 7.6.2.2, Eqn 36	Y	Customer numbers	PowerOn Data	Count	Real time data	Live system update		
Network Performance Consequence Factor	Number of vulnerable customers	Section 7.6.2.2	Y	Number of vulnerable customers	PowerOn Data	Count	Real time data	Live system update		

CNAIM calculation step	Data required	CNAIM document reference	Data collected	Data used to provide CNAIM input	Data type used	Format of data	Existing data collection policy	Frequency of data collection	Proposed future additional data collection	Comments
Initial Health Score	Age	Section 6.1.6, Eqn 4	Y	Age	Year of commissioning	Year	One off activity	On commissioning		
Initial Health Score - Location Factor	Distance from coast (X/Y Coordinates)	Section 6.4.2, Table 22	Y	X/Y	ESRI location	OS Grid Reference	Real time data	Live system update		
Initial Health Score - Location Factor	Altitude	Section 6.4.3, Table 23	Y	X/Y	ESRI location	metres	One off activity	Live system update		
Initial Health Score - Location Factor	Corrosion Category	Section 6.4.4, Table 24	Y	Corrosion Category	Site assessment	Value 1-5	One off activity	On commissioning		
Observed Condition Modifier	Tower Legs	Section 6.9, Table 113	Y	Tower Legs	Site assessment	Acceptable, Mechanically Uns	Ongoing routine inspection cycle	2 years		
Observed Condition Modifier	Bracings	Section 6.9, Table 114	Y	Bracings	Site assessment	Acceptable, Mechanically Uns	Ongoing routine inspection cycle	2 years		
Observed Condition Modifier	Crossarms	Section 6.9, Table 115	Y	Crossarms	Site assessment	Acceptable, Mechanically Uns	Ongoing routine inspection cycle	2 years		
Observed Condition Modifier	Peak	Section 6.9, Table 116	Y	Peak	Site assessment	Acceptable, Mechanically Uns	Ongoing routine inspection cycle	2 years		
Observed Condition Modifier	Paintwork Condition	Section 6.9, Table 117	Y	Paintwork Condition	Site assessment	As New, Slight Rust Breakthro	Ongoing routine inspection cycle	2 years		
Observed Condition Modifier	Foundation Condition	Section 6.9, Table 118	Y	Foundation Condition	Site assessment	As New, Normal Wear, Some	Ongoing routine inspection cycle	10 years		
Reliability Modifier	NEDeRs	Section 6.14	Y	NEDeRs	Notification, engineering judgement	Document	One off activity	On change		
Reliability Modifier	DINs	Section 6.14	Y	DINs	Notification, engineering judgement	Document	One off activity	On change		
Reliability Modifier	SOPs	Section 6.14	Y	SOPs	Notification, engineering judgement	Document	One off activity	On change		
Financial Consequences Factor	Type Financial Factor	Section 7.3.3.1, Table 212, Eqn 27	Y	Type Financial Factor	Tower Type	Suspension, Tension, Termina	One off activity	On commissioning		
Financial Consequences Factor	Access Financial Factor	Section 7.3.3.2, Table 213, Eqn 27	N	Access Financial Factor	On site assessment	Type A / B	Ongoing routine inspection cycle	2 years	2018	
Safety Consequences Factor	Type Safety Factor	Section 7.4.3.1, Table 218, Eqn 29	Y	Type Safety Factor	Engineering judgement	Low, Medium, High	Real time data	Live system update		
Safety Consequences Factor	Location Safety Factor	Section 7.4.3.2, Table 218, Eqn 29	Y	Location Safety Factor	On site assessment	Low, Medium, High	Ongoing routine inspection cycle	2 years		
Network Performance Consequence Factor	Load at risk (Max Demand)	Section 7.6.3.2, Eqn 40	Y	Max Demand	PI data	MVA	Real time data	1 year		
Network Performance Consequence Factor	Network Type Factor (Secure / Not Secu	Section 7.6.3.2, Eqn 39	Y	Secure / Not Secure	Single line diagram	Secure / Not Secure	One off activity	On change		

CNAIM calculation step	Data required	CNAIM document reference	Data collected	Data used to provide CNAIM input	Data type used	Format of data	Existing data collection policy	Frequency of data collection	Proposed future additional data collection	Comments
Initial Health Score	Age	Section 6.1.6, Eqn 4	Y	Age	Year of commissioning	Year	One off activity	On commissioning		
Initial Health Score - Location Factor	Distance from coast (X/Y Coordinates)	Section 6.4.2, Table 22	Y	X/Y	ESRI location	OS Grid Reference	Real time data	Live system update		
Initial Health Score - Location Factor	Altitude	Section 6.4.3, Table 23	Y	X/Y	ESRI location	metres	One off activity	Live system update		
Initial Health Score - Location Factor	Corrosion Category	Section 6.4.4, Table 24	Y	Corrosion Category	Site assessment	Value 1-5	One off activity	On commissioning		
Observed Condition Modifier	Tower Legs	Section 6.9, Table 107	Y	Tower Legs	Site assessment	Acceptable, Mechanically Uns	Ongoing routine inspection cycle	2 years		
Observed Condition Modifier	Bracings	Section 6.9, Table 108	Y	Bracings	Site assessment	Acceptable, Mechanically Uns	Ongoing routine inspection cycle	2 years		
Observed Condition Modifier	Crossarms	Section 6.9, Table 109	Y	Crossarms	Site assessment	Acceptable, Mechanically Uns	Ongoing routine inspection cycle	2 years		
Observed Condition Modifier	Peak	Section 6.9, Table 110	Y	Peak	Site assessment	Acceptable, Mechanically Uns	Ongoing routine inspection cycle	2 years		
Observed Condition Modifier	Paintwork Condition	Section 6.9, Table 111	Y	Paintwork Condition	Site assessment	As New, Slight Rust Breakthro	Ongoing routine inspection cycle	2 years		
Observed Condition Modifier	Foundation Condition	Section 6.9, Table 112	Y	Foundation Condition	Site assessment	As New, Normal Wear, Some	Ongoing routine inspection cycle	10 years		
Reliability Modifier	NEDeRs	Section 6.14	Y	NEDeRs	Notification, engineering judgement	Document	One off activity	On change		
Reliability Modifier	DINs	Section 6.14	Y	DINs	Notification, engineering judgement	Document	One off activity	On change		
Reliability Modifier	SOPs	Section 6.14	Y	SOPs	Notification, engineering judgement	Document	One off activity	On change		
Financial Consequences Factor	Type Financial Factor	Section 7.3.3.1, Table 212, Eqn 27	Y	Type Financial Factor	Tower Type	Suspension, Tension, Termina	One off activity	On commissioning		
Financial Consequences Factor	Access Financial Factor	Section 7.3.3.2, Table 213, Eqn 27	N	Access Financial Factor	On site assessment	Type A / B	Ongoing routine inspection cycle	2 years	2018	
Safety Consequences Factor	Type Safety Factor	Section 7.4.3.1, Table 218, Eqn 29	Y	Type Safety Factor	Engineering judgement	Low, Medium, High	Real time data	Live system update		
Safety Consequences Factor	Location Safety Factor	Section 7.4.3.2, Table 218, Eqn 29	Y	Location Safety Factor	On site assessment	Low, Medium, High	Ongoing routine inspection cycle	2 years		
Network Performance Consequence Factor	Load at risk (Max Demand)	Section 7.6.3.2, Eqn 40	Y	Max Demand	PI data	MVA	Real time data	1 year		
Network Performance Consequence Factor	Network Type Factor (Secure / Not Secu	Section 7.6.3.2, Eqn 39	Y	Secure / Not Secure	Single line diagram	Secure / Not Secure	One off activity	On change		

CNAIM calculation step	Data required	CNAIM document reference	Data collected	Data used to provide CNAIM input	Data type used	Format of data	Existing data collection policy	Frequency of data collection	Proposed future additional data collection	Comments
Initial Health Score	Age	Section 6.1.6, Eqn 4	N	Age	Year of commissioning	Year	One off activity	On commissioning		2018
Initial Health Score - Location Factor	Distance from coast (X/Y Coordinates)	Section 6.4.2, Table 22	Y	X/Y	ESRI location	OS Grid Reference	Real time data	Live system update		
Initial Health Score - Location Factor	Altitude	Section 6.4.3, Table 23	Y	X/Y	ESRI location	metres	One off activity	Live system update		
Initial Health Score - Location Factor	Corrosion Category	Section 6.4.4, Table 24	Y	Corrosion Category	Site assessment	Value 1-5	One off activity	On commissioning		
Observed Condition Modifier	Tower Fittings	Section 6.9, Table 123	Y	Tower Fittings	Site assessment	As New, Normal Wear, Some	Ongoing routine inspection cycle	2 years		
Observed Condition Modifier	Conductor Fittings	Section 6.9, Table 124	Y	Conductor Fittings	Site assessment	As New, Normal Wear, Some	Ongoing routine inspection cycle	2 years		
Observed Condition Modifier	Insulators - Electrical	Section 6.9, Table 125	Y	Insulators - Electrical	Site assessment	As New, Normal Wear, Some	Ongoing routine inspection cycle	2 years		
Observed Condition Modifier	Insulators - Mechanical	Section 6.9, Table 126	Y	Insulators - Mechanical	Site assessment	As New, Normal Wear, Some	Ongoing routine inspection cycle	2 years		
Measured Condition Modifier	Thermal Imaging	Section 6.10, Table 190	Y	Thermal Imaging	Site assessment	Low, Medium, High	Ongoing routine inspection cycle	2 years		
Measured Condition Modifier	Ductor Tests	Section 6.10, Table 191	N/A	Ductor Tests	Site assessment	Low, Medium, High	Ongoing routine inspection cycle	N/A	N/A	
Reliability Modifier	NEDeRs	Section 6.14	Y	NEDeRs	Notification, engineering judgement	Document	One off activity	On change		
Reliability Modifier	DINs	Section 6.14	Y	DINs	Notification, engineering judgement	Document	One off activity	On change		
Reliability Modifier	SOPs	Section 6.14	Y	SOPs	Notification, engineering judgement	Document	One off activity	On change		
Financial Consequences Factor	Type Financial Factor	Section 7.3.3.1, Table 212, Eqn 27	Y	Type Financial Factor	Tower Type	Suspension, Tension	One off activity	On commissioning		
Financial Consequences Factor	Access Financial Factor	Section 7.3.3.2, Table 213, Eqn 27	N	Access Financial Factor	On site assessment	Type A / B	Ongoing routine inspection cycle	2 years		2018
Safety Consequences Factor	Type Safety Factor	Section 7.4.3.1, Table 218, Eqn 29	Y	Type Safety Factor	Engineering judgement	Low, Medium, High	Real time data	Live system update		
Safety Consequences Factor	Location Safety Factor	Section 7.4.3.2, Table 218, Eqn 29	Y	Location Safety Factor	On site assessment	Low, Medium, High	Ongoing routine inspection cycle	2 years		
Network Performance Consequence Factor	Load at risk (Max Demand)	Section 7.6.3.2, Eqn 40	Y	Max Demand	PI data	MVA	Real time data	1 year		
Network Performance Consequence Factor	Network Type Factor (Secure / Not Secure)	Section 7.6.3.2, Eqn 39	Y	Secure / Not Secure	Single line diagram	Secure / Not Secure	One off activity	On change		

CNAIM calculation step	Data required	CNAIM document reference	Data collected	Data used to provide CNAIM input	Data type used	Format of data	Existing data collection policy	Frequency of data collection	Proposed future additional data collection	Comments
Initial Health Score	Age	Section 6.1.6, Eqn 4	N	Age	Year of commissioning	Year	One off activity	On commissioning	2018	
Initial Health Score - Location Factor	Distance from coast (X/Y Coordinates)	Section 6.4.2, Table 22	Y	X/Y	ESRI location	OS Grid Reference	Real time data	Live system update		
Initial Health Score - Location Factor	Altitude	Section 6.4.3, Table 23	Y	X/Y	ESRI location	metres	One off activity	Live system update		
Initial Health Score - Location Factor	Corrosion Category	Section 6.4.4, Table 24	Y	Corrosion Category	Site assessment	Value 1-5	One off activity	On commissioning		
Observed Condition Modifier	Tower Fittings	Section 6.9, Table 119	Y	Tower Fittings	Site assessment	As New, Normal Wear, Some	Ongoing routine inspection cycle	2 years		
Observed Condition Modifier	Conductor Fittings	Section 6.9, Table 120	Y	Conductor Fittings	Site assessment	As New, Normal Wear, Some	Ongoing routine inspection cycle	2 years		
Observed Condition Modifier	Insulators - Electrical	Section 6.9, Table 121	Y	Insulators - Electrical	Site assessment	As New, Normal Wear, Some	Ongoing routine inspection cycle	2 years		
Observed Condition Modifier	Insulators - Mechanical	Section 6.9, Table 122	Y	Insulators - Mechanical	Site assessment	As New, Normal Wear, Some	Ongoing routine inspection cycle	2 years		
Measured Condition Modifier	Thermal Imaging	Section 6.10, Table 188	Y	Thermal Imaging	Site assessment	Low, Medium, High	Ongoing routine inspection cycle	2 years		
Measured Condition Modifier	Ductor Tests	Section 6.10, Table 189	N/A	Ductor Tests	Site assessment	Low, Medium, High	Ongoing routine inspection cycle	N/A	N/A	
Reliability Modifier	NEDeRs	Section 6.14	Y	NEDeRs	Notification, engineering judgement	Document	One off activity	On change		
Reliability Modifier	DINs	Section 6.14	Y	DINs	Notification, engineering judgement	Document	One off activity	On change		
Reliability Modifier	SOPs	Section 6.14	Y	SOPs	Notification, engineering judgement	Document	One off activity	On change		
Financial Consequences Factor	Type Financial Factor	Section 7.3.3.1, Table 212, Eqn 27	Y	Type Financial Factor	Tower Type	Suspension, Tension	One off activity	On commissioning		
Financial Consequences Factor	Access Financial Factor	Section 7.3.3.2, Table 213, Eqn 27	N	Access Financial Factor	On site assessment	Type A / B	Ongoing routine inspection cycle	2 years	2018	
Safety Consequences Factor	Type Safety Factor	Section 7.4.3.1, Table 218, Eqn 29	Y	Type Safety Factor	Engineering judgement	Low, Medium, High	Real time data	Live system update		
Safety Consequences Factor	Location Safety Factor	Section 7.4.3.2, Table 218, Eqn 29	Y	Location Safety Factor	On site assessment	Low, Medium, High	Ongoing routine inspection cycle	2 years		
Network Performance Consequence Factor	Load at risk (Max Demand)	Section 7.6.3.2, Eqn 40	Y	Max Demand	PI data	MVA	Real time data	1 year		
Network Performance Consequence Factor	Network Type Factor (Secure / Not Secure)	Section 7.6.3.2, Eqn 39	Y	Secure / Not Secure	Single line diagram	Secure / Not Secure	One off activity	On change		

CNAIM calculation step	Data required	CNAIM document reference	Data collected	Data used to provide CNAIM input	Data type used	Format of data	Existing data collection policy	Frequency of data collection	Proposed future additional data collection	Comments
Initial Health Score	Age	Section 6.1.6, Eqn 4	Y	Age	Year of commissioning	Year	One off activity	On commissioning		
Initial Health Score - Location Factor	Distance from coast (X/Y Coordinates)	Section 6.4.2, Table 22	Y	X/Y	ESRI location	OS Grid Reference	Real time data	Live system update		
Initial Health Score - Location Factor	Altitude	Section 6.4.3, Table 23	Y	X/Y	ESRI location	metres	One off activity	Live system update		
Initial Health Score - Location Factor	Corrosion Category	Section 6.4.4, Table 24	Y	Corrosion Category	Site assessment	Value 1-5	One off activity	On commissioning		
Observed Condition Modifier	Visual Condition	Section 6.9, Table 129	Y	Visual Condition	Site assessment	As New, Normal Wear, Some	Ongoing routine inspection cycle	2 years		
Observed Condition Modifier	Midspan Joints	Section 6.9, Table 130	Y	Midspan Joints	Site assessment	Count of joints	Ongoing routine inspection cycle	2 years		
Measured Condition Modifier	Conductor Sampling	Section 6.10, Table 194	Y	Conductor Sampling	Site assessment	Low, Medium / Normal, High	Ongoing routine inspection cycle	On change		
Measured Condition Modifier	Corrosion Monitoring Survey	Section 6.10, Table 195	Y	Corrosion Monitoring Survey	Site assessment	Low, Medium / Normal, High	Ongoing routine inspection cycle	On change		
Reliability Modifier	NEDeRs	Section 6.14	Y	NEDeRs	Notification, engineering judgement	Document	One off activity	On change		
Reliability Modifier	DINs	Section 6.14	Y	DINs	Notification, engineering judgement	Document	One off activity	On change		
Reliability Modifier	SOPs	Section 6.14	Y	SOPs	Notification, engineering judgement	Document	One off activity	On change		
Financial Consequences Factor	Access Financial Factor	Section 7.3.3.2, Table 213, Eqn 27	N	Access Financial Factor	On site assessment	Type A / B	Ongoing routine inspection cycle	2 years		2018
Safety Consequences Factor	Type Safety Factor	Section 7.4.3.1, Table 218, Eqn 29	Y	Type Safety Factor	Engineering judgement	Low, Medium, High	Real time data	Live system update		
Safety Consequences Factor	Location Safety Factor	Section 7.4.3.2, Table 218, Eqn 29	Y	Location Safety Factor	On site assessment	Low, Medium, High	Ongoing routine inspection cycle	2 years		
Network Performance Consequence Factor	Load at risk (Max Demand)	Section 7.6.3.2, Eqn 40	Y	Max Demand	PI data	MVA	Real time data	1 year		
Network Performance Consequence Factor	Network Type Factor (Secure / Not Secure)	Section 7.6.3.2, Eqn 39	Y	Secure / Not Secure	Single line diagram	Secure / Not Secure	One off activity	On change		

CNAIM calculation step	Data required	CNAIM document reference	Data collected	Data used to provide CNAIM input	Data type used	Format of data	Existing data collection policy	Frequency of data collection	Proposed future additional data collection	Comments
Initial Health Score	Age	Section 6.1.6, Eqn 4	Y	Age	Year of commissioning	Year	One off activity	On commissioning		
Initial Health Score - Location Factor	Distance from coast (X/Y Coordinates)	Section 6.4.2, Table 22	Y	X/Y	ESRI location	OS Grid Reference	Real time data	Live system update		
Initial Health Score - Location Factor	Altitude	Section 6.4.3, Table 23	Y	X/Y	ESRI location	metres	One off activity	Live system update		
Initial Health Score - Location Factor	Corrosion Category	Section 6.4.4, Table 24	Y	Corrosion Category	Site assessment	Value 1-5	One off activity	On commissioning		
Observed Condition Modifier	Visual Condition	Section 6.9, Table 127	Y	Visual Condition	Site assessment	As New, Normal Wear, Some	Ongoing routine inspection cycle	6 years		
Observed Condition Modifier	Midspan Joints	Section 6.9, Table 128	Y	Midspan Joints	Site assessment	Count of joints	Ongoing routine inspection cycle	6 years		
Measured Condition Modifier	Conductor Sampling	Section 6.10, Table 192	Y	Conductor Sampling	Site assessment	Low, Medium / Normal, High	Ongoing routine inspection cycle	As required		
Measured Condition Modifier	Corrosion Monitoring survey	Section 6.10, Table 193	N	Corrosion Monitoring survey	Site assessment	Low, Medium / Normal, High	Ongoing routine inspection cycle	N/A	N/A	
Reliability Modifier	NEDeRs	Section 6.14	Y	NEDeRs	Notification, engineering judgement	Document	One off activity	On change		
Reliability Modifier	DINs	Section 6.14	Y	DINs	Notification, engineering judgement	Document	One off activity	On change		
Reliability Modifier	SOPs	Section 6.14	Y	SOPs	Notification, engineering judgement	Document	One off activity	On change		
Financial Consequences Factor	Access Financial Factor	Section 7.3.3.2, Table 213, Eqn 27	N	Access Financial Factor	On site assessment	Type A / B	Ongoing routine inspection cycle	6 years		2018
Safety Consequences Factor	Type Safety Factor	Section 7.4.3.1, Table 218, Eqn 29	Y	Type Safety Factor	Engineering judgement	Low, Medium, High	Real time data	Live system update		
Safety Consequences Factor	Location Safety Factor	Section 7.4.3.2, Table 218, Eqn 29	Y	Location Safety Factor	On site assessment	Low, Medium, High	Ongoing routine inspection cycle	6 years		
Network Performance Consequence Factor	Load at risk (Max Demand)	Section 7.6.3.2, Eqn 40	Y	Max Demand	PI data	MVA	Real time data	1 year		
Network Performance Consequence Factor	Network Type Factor (Secure / Not Secure)	Section 7.6.3.2, Eqn 39	Y	Secure / Not Secure	Single line diagram	Secure / Not Secure	One off activity	On change		

CNAIM calculation step	Data required	CNAIM document reference	Data collected	Data used to provide CNAIM input	Data type used	Format of data	Existing data collection policy	Frequency of data collection	Proposed future additional data collection	Comments
Initial Health Score	Age	Section 6.1.6, Eqn 4	Y	Age	Year of commissioning	Year	One off activity	On commissioning		
Observed Condition Modifier	Visual Pole Condition	Section 6.9, Table 103	Y	Visual Pole Condition	Site assessment	Acceptable, Some Deterioratio	Ongoing routine inspection cycle	6 years		
Observed Condition Modifier	Pole Top Rot	Section 6.9, Table 104	Y	Pole Top Rot	Site assessment	Yes / No	Ongoing routine inspection cycle	6 years		
Observed Condition Modifier	Pole Leaning	Section 6.9, Table 105	Y	Pole Leaning	Site assessment	Yes / No	Ongoing routine inspection cycle	6 years		
Observed Condition Modifier	Bird / Animal Damage	Section 6.9, Table 106	Y	Bird / Animal Damage	Site assessment	Yes / No	Ongoing routine inspection cycle	6 years		
Measured Condition Modifier	Pole decay / deterioration	Section 6.10, Table 187	Y	Pole decay / deterioration	Site assessment	None, No Significant Decay / D	Ongoing routine inspection cycle	6 years		
Reliability Modifier	NEDeRs	Section 6.14	Y	NEDeRs	Notification, engineering judgement	Document	One off activity	On change		
Reliability Modifier	DINs	Section 6.14	Y	DINs	Notification, engineering judgement	Document	One off activity	On change		
Reliability Modifier	SOPs	Section 6.14	Y	SOPs	Notification, engineering judgement	Document	One off activity	On change		
Financial Consequences Factor	Type Financial Factor	Section 7.3.3.1, Table 212, Eqn 27	Y	Type Financial Factor	Pole Type	Pole (supporting conductor on	One off activity	On commissioning		
Financial Consequences Factor	Access Financial Factor	Section 7.3.3.2, Table 213, Eqn 27	N	Access Financial Factor	On site assessment	Type A / B	Ongoing routine inspection cycle	6 years		2018
Safety Consequences Factor	Type Safety Factor	Section 7.4.3.1, Table 218, Eqn 29	Y	Type Safety Factor	Engineering judgement	Low, Medium, High	Real time data	Live system update		
Safety Consequences Factor	Location Safety Factor	Section 7.4.3.2, Table 218, Eqn 29	Y	Location Safety Factor	On site assessment	Low, Medium, High	Ongoing routine inspection cycle	6 years		
Network Performance Consequence Factor	Load at risk (Max Demand)	Section 7.6.3.2, Eqn 40	Y	Max Demand	PI data	MVA	Real time data	1 year		
Network Performance Consequence Factor	Network Type Factor (Secure / Not Secu	Section 7.6.3.2, Eqn 39	Y	Secure / Not Secure	Single line diagram	Secure / Not Secure	One off activity	On change		

CNAIM calculation step	Data required	CNAIM document reference	Data collected	Data used to provide CNAIM input	Data type used	Format of data	Existing data collection policy	Frequency of data collection	Proposed future additional data collection	Comments
Initial Health Score	Age	Section 6.1.6, Eqn 4	Y	Age	Year of commissioning	Year	One off activity	On commissioning		
Observed Condition Modifier	Visual Pole Condition	Section 6.9, Table 100	Y	Visual Pole Condition	Site assessment	Acceptable, Some Deterioratio	Ongoing routine inspection cycle	6 years		
Observed Condition Modifier	Pole Top Rot	Section 6.9, Table 101	Y	Pole Top Rot	Site assessment	Yes / No	Ongoing routine inspection cycle	6 years		
Observed Condition Modifier	Pole Leaning	Section 6.9, Table 102	Y	Pole Leaning	Site assessment	Yes / No	Ongoing routine inspection cycle	6 years		
Observed Condition Modifier	Bird / Animal Damage	Section 6.9, Table 103	Y	Bird / Animal Damage	Site assessment	Yes / No	Ongoing routine inspection cycle	6 years		
Measured Condition Modifier	Pole decay / deterioration	Section 6.10, Table 186	Y	Pole decay / deterioration	Site assessment	None, No Significant Decay / D	Ongoing routine inspection cycle	6 years		
Reliability Modifier	NEDeRs	Section 6.14	Y	NEDeRs	Notification, engineering judgement	Document	One off activity	On change		
Reliability Modifier	DINs	Section 6.14	Y	DINs	Notification, engineering judgement	Document	One off activity	On change		
Reliability Modifier	SOPs	Section 6.14	Y	SOPs	Notification, engineering judgement	Document	One off activity	On change		
Financial Consequences Factor	Type Financial Factor	Section 7.3.3.1, Table 212, Eqn 27	Y	Type Financial Factor	Pole Type	Pole (supporting conductor on	One off activity	On commissioning		
Financial Consequences Factor	Access Financial Factor	Section 7.3.3.2, Table 213, Eqn 27	N	Access Financial Factor	On site assessment	Type A / B	Ongoing routine inspection cycle	6 years		2018
Safety Consequences Factor	Type Safety Factor	Section 7.4.3.1, Table 218, Eqn 29	Y	Type Safety Factor	Engineering judgement	Low, Medium, High	Real time data	Live system update		
Safety Consequences Factor	Location Safety Factor	Section 7.4.3.2, Table 218, Eqn 29	Y	Location Safety Factor	On site assessment	Low, Medium, High	Ongoing routine inspection cycle	6 years		
Network Performance Consequence Factor	Customer Number Adjustment (Maximum)	Section 7.6.2.2, Table 18, Eqn 36	Y	Max Demand	PI data	MVA	Real time data	1 year		
Network Performance Consequence Factor	Number of customers	Section 7.6.2.2, Eqn 36	Y	Customer numbers	PowerOn Data	Count	Real time data	Live system update		
Network Performance Consequence Factor	Number of vulnerable customers	Section 7.6.2.2	Y	Number of vulnerable customers	PowerOn Data	Count	Real time data	Live system update		

CNAIM calculation step	Data required	CNAIM document reference	Data collected	Data used to provide CNAIM input	Data type used	Format of data	Existing data collection policy	Frequency of data collection	Proposed future additional data collection	Comments
Initial Health Score	Age	Section 6.1.6, Eqn 4	Y	Age	Year of commissioning	Year	One off activity	On commissioning		
Observed Condition Modifier	Visual Pole Condition	Section 6.9, Table 95	Y	Visual Pole Condition	Site assessment	Acceptable, Some Deterioratio	Ongoing routine inspection cycle	6 years		
Observed Condition Modifier	Pole Top Rot	Section 6.9, Table 96	Y	Pole Top Rot	Site assessment	Yes / No	Ongoing routine inspection cycle	6 years		
Observed Condition Modifier	Pole Leaning	Section 6.9, Table 97	Y	Pole Leaning	Site assessment	Yes / No	Ongoing routine inspection cycle	6 years		
Observed Condition Modifier	Bird / Animal Damage	Section 6.9, Table 98	Y	Bird / Animal Damage	Site assessment	Yes / No	Ongoing routine inspection cycle	6 years		
Measured Condition Modifier	Pole decay / deterioration	Section 6.10, Table 185	Y	Pole decay / deterioration	Site assessment	None, No Significant Decay / D	Ongoing routine inspection cycle	6 years		
Reliability Modifier	NEDeRs	Section 6.14	Y	NEDeRs	Notification, engineering judgement	Document	One off activity	On change		
Reliability Modifier	DINs	Section 6.14	Y	DINs	Notification, engineering judgement	Document	One off activity	On change		
Reliability Modifier	SOPs	Section 6.14	Y	SOPs	Notification, engineering judgement	Document	One off activity	On change		
Financial Consequences Factor	Type Financial Factor	Section 7.3.3.1, Table 212, Eqn 27	Y	Type Financial Factor	Pole Type	Pole (excluding terminal poles)	One off activity	On commissioning		
Financial Consequences Factor	Access Financial Factor	Section 7.3.3.2, Table 213, Eqn 27	N	Access Financial Factor	On site assessment	Type A / B	Ongoing routine inspection cycle	6 years		2018
Safety Consequences Factor	Type Safety Factor	Section 7.4.3.1, Table 218, Eqn 29	Y	Type Safety Factor	Engineering judgement	Low, Medium, High	Real time data	Live system update		
Safety Consequences Factor	Location Safety Factor	Section 7.4.3.2, Table 218, Eqn 29	Y	Location Safety Factor	On site assessment	Low, Medium, High	Ongoing routine inspection cycle	6 years		
Network Performance Consequence Factor	Customer Number Adjustment (Maximum)	Section 7.6.2.2, Table 18, Eqn 36	N/A	Max Demand	MDI Data	MVA	Real time data	N/A		
Network Performance Consequence Factor	Number of customers	Section 7.6.2.2, Eqn 36	Y	Customer numbers	PowerOn Data	Count	Real time data	Live system update		
Network Performance Consequence Factor	Number of vulnerable customers	Section 7.6.2.2	Y	Number of vulnerable customers	PowerOn Data	Count	Real time data	Live system update		