ELEXON

MARKET-WIDE HALF HOURLY SETTLEMENT LOW-LEVEL SERVICE DEFINITION DOCUMENT (LLSD)

MHHS TARGET OPERATING MODEL SERVICE USERS

Document Control

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Documents & References

Ref	ltem	Location/Name
1		MHHS-DEL2124 - MHHS Service Management Strategy
2		Elexon Service Definition Document
3		Elexon Service Management Policies

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1 Summary

1.1 Introduction

The purpose of the Low-Level Service Design is to compliment the Service Design Document but provides greater granularity on the support model and its associated key support processes. It will provide more qualitative measures around Incident response times and associated service levels as well as RACI matrices outlining support teams accountabilities.

Neither document is intended to provide detailed operating processes and procedures, as these will form part of the Operation Guides due to be published in December.

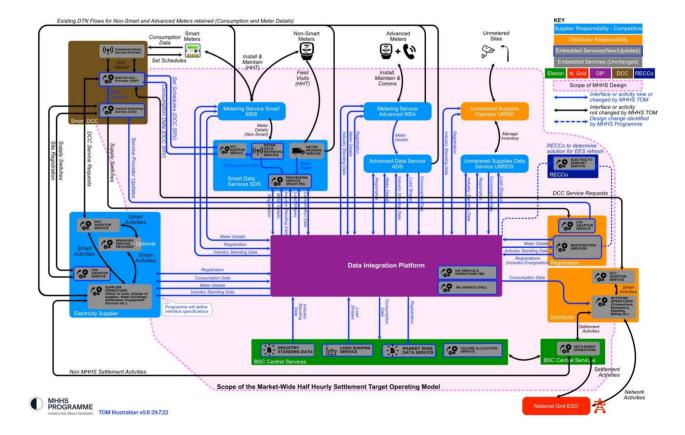
1.2 Service Terminology

Category	Subject	Responsible
Service User	This is an individual or a company, which utilises the service being provided. 3 rd parties can also raise cases on behalf of the Service Users (e.g. software providers)	LDSO, Recco, DCC, Market Participants
Service Provider	This is an external entity or organisation that collaborates with Elexon to provide the Service or who is involved in the resolution of Incidents	Multiple Service Providers including CGI, BJSS, Cognizant, DCC, DIP Service Provider. For resolution of Incidents, this could also include central parties

2 Solution Overview

2.1 Solution Overview

The UK electricity industry's move to the MHHS Target Operating Model (Section 2.2) will be one of the biggest overhauls of electricity systems and processes since privatisation and the introduction of the competitive market in 1998. This transition will see the introduction of key new systems and a major transformation in the ways of working of Market Participants and fundamental industry processes. Suppliers, Registration Services, Agents, Metering Point Registration System (MPRS), Electricity Enquiry Service (EES), Smart metering and settlement processes, just to name a few examples, will all undergo significant change.



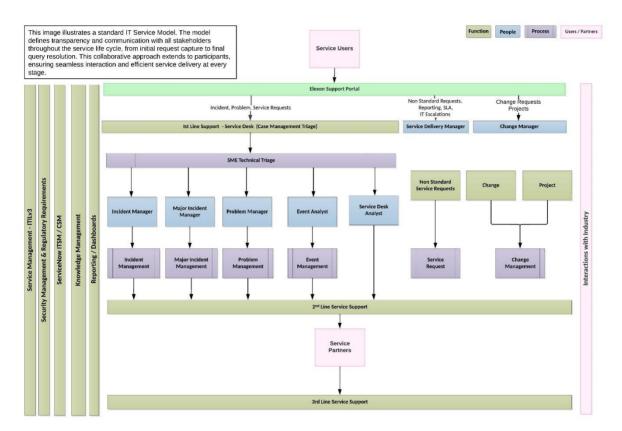
2.2 Logical Architecture

3 Service Users - High Level Service Model

3.1 Purpose

Below is a High-Level Service Model for Service Provider showing the example of the core ITILv3 processes.

Each core processes including the additional ITILv3 processes with be detailed further in this document.

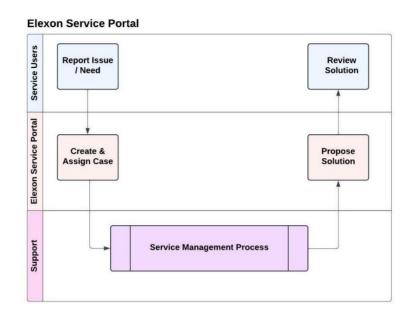


4 Elexon Service Portal – Case Management

Service User and their relevant partners (3rd parties) issues and needs will be raised via the Elexon Service Portal. All Service Users will raise a case in the portal which will then be assigned to the assigned path.

Elexon Service partners will be able to raise a case direct into the ITSM toolset without the use of the portal.

The below flow is detailing the Case Management structure in the Service Portal.



4.1 Registering an Account in Elexon Service Portal

The link to access the Elexon Service Portal registration page is: <u>Registration Request - Elexon Support</u>. All Service users will be able to register an account if not previously registered. A one time access code is sent to your email address once validated to confirm the account.

Register an account				
Step 1				
*First Name	First Name			
*Last Name	Last Name			
*Email	example@email.com			
Verification Password	Get OTP enter the 6 digit verification password			
Step 2 Search for Organisation Name or Party ID Party ID	X Your company Party ID			
I do not have a Party ID	* By creating an account you confirm that you have read the <u>Privacy Policy</u> and accept the <u>Terms and Conditions</u>			
•reCAPTCHA verification	I'm not a robot			

4.2 Raising a Case in Elexon Service Portal

The link to access the Elexon Service Portal raising case page is: <u>CSM Service Catalog - Elexon</u> <u>Support</u>. You must have an account registered in the support portal to raise a case.

Create case for service Issue	
create case for service issue	
Indicates required	
Requested By	
lan Giles Giles	
Organisation Details	
Organisation name/Party ID 0	
Party ID 🛛	
I do not have a Party ID	
Unregistered Organisation name 😡	
I do not have an Organisation name	
Market Participant ID	
I do not have Market Participant ID	
CRA Market Role 0	
What is your request about	
*Category	
None	-
Subject Ø	
Description	
URL of related page or document	

5 Service Desk

5.1 Service Desk -Purpose

The purpose of the Service Desk is to serve as the initial point of contact between Service Users and Service Providers via the Elexon Service Portal.

The Service Desk is also responsible for managing tickets, ensuring they are assigned to the correct resolver group throughout their lifecycle. This includes overseeing the management of incidents, problems, change integrations, and workflows.

5.2 RACI Matrix - Service Desk Function

Service Desk	Service Desk	CGI Service Desk Staff	Service Users	Service Provider
Incident Logging and Categorisation	А	R	Ι	I
Initial Incident Response	А	R	I	I

Incident Escalation	А	С	I	R
Incident Resolution	А	R	I	R
Problem Identification	А	С	I	I
Problem Resolution	А	С	I	I
Service Request Fulfilment	А	С	I	I
User Communication and Updates	А	R	С	I
Knowledge Management	А	R	Ι	I
Quality Assurance and Review	А	А	-	С
Reporting and Metrics	А	С	I	С
Process Improvement	А	С	I	С

6 Incident Management

6.1 Incident Management - Purpose

The purpose of Incident Management is to minimise the negative impact of incidents by restoring normal service as quickly as possible. An incident is defined as 'an unplanned interruption to a service or reduction in the quality of a service.

A detailed Incident Management flow is available in the Service Definition Document

6.2 Incident Management - Support Model

Topics	Description			
Support Hours	Elexon Service Portal & Service Desk with operate 24x7x365 to raise a case on the			
	portal.			
Contact Methods	Service User: Elexon Service Portal			
	Service Partner: CGI Service Desk			
Incident tracking	The status of all requests logge	ed.		
	Any breaches of the SLAs.			
Resource Allocation	Service Management / Elexon Service Portal - Elexon			
	 Service Desk – CGI 			
	Service Provider			
Point of Contact:	Name	Contact Details		
Elexon	Elexon Service Desk https://support.elexon.co.uk/csm			
Incident Logging	Incident Records are created via the Elexon Service Portal			
	The information recorded during Incident logging will contain but not be limited to the following: Incident Reference Contact Name Severity Level Incident start time/date SLA: (within scope of contract) SLA Status: (In SLA/Breached) 			

	 Summary of Incident (Incident title, what has been reported) Impact Statement If applicable, Next Steps (details on next plan of action times and other parallel activities)
Providing	When raising an Incident, Service Users and Service Providers will be asked to
Information when	provide answers to some questions to enable response to that Incident in the
Logging	most efficient and appropriate manner.
Incident Manager	Elexon Service Management

6.3 Elexon Incident Classification & Prioritisation

		Impact			
		High System Wide	Medium Multiple Users	Low Single User	
	High Primary functions not working	P1 6 Hours	Р2 1 Day	P3 5 Days	
Urgency	Medium Work functions are impaired but workaround in place	Р2 1 Day	P3 5 Days	P4 20 Days	
	Low Inconvenient	P3 5 Days	P4 20 Days	P4 20 Days	

6.4 Elexon Incident Priority Definitions

Service	Service Level
Priority 1	Complete loss of network infrastructure or systems, or unauthorised data breach
	due to a security incident or suspected security incident.
Priority 2	Moderate operational impact on customer system(s) or a security incident/
	suspected security incident. Specified and identified threat to the customer
	system(s).
Priority 3	Minor operational impact on customer system(s) or a security incident/ suspected security incident. Specified and identified threat to the customer system(s).
Priority 4	Service Request

6.5 Elexon Incident Service Levels

Service	Service Level
Priority 1	For Severity Level 1 Incidents, a work around or enduring fix tested and
implemented with 6 hours	

Priority 2	For Severity Level 2 Incidents, a work around or enduring fix tested and
	implemented with 1 Day
Priority 3	For Severity Level 3 Incidents, a work around or enduring fix tested and implemented with 5 Business Days
Priority 4	For Severity Level 4 Incidents, a work around or enduring fix tested and implemented with 20 Business Days

6.6 Incident Management – RACI

Incident Management	Elexon Service Management	Service User / Service Provider	CGI Incident Management	Elexon Service Mgr.	CGI Service Desk
Incident Diagnosis	R	R	C/I	А	-
Incident Logging	R	R	C/I	А	-
Incident Categorization	C/I	C/I	C/I	R	I
Incident Prioritisation	C/I	C/I	C/I	R	I
Incident Assignment	C/I	C/I	C/I	R	I
Task Creation and Management	C/I	C/I	A/R	С	I
SLA Management and Escalation	C/I	C/I	C/I	А	I
Functional Resolution	С	C	С	R	I
Incident Closure	I	I	А	R	I

7 Major Incident Management

7.1 Major Incident Management – Purpose

The purpose of ITIL Major Incident Management is to rapidly coordinate with relevant internal and external resources to restore operations to service as normal as soon as possible by removing, repairing, or eliminating the disruption to live operations.

A detailed Major Incident Management flow is available in the Service Definition Document. An illustration Major Incident scenarios are provided in the Appendix.

7.2 Major Incident Management - Support Model

Topics	Description
Support Hours	Elexon Service Portal & Service Desk with operate 24x7x365 to raise a case on the
	portal.

Contact Methods	Service User: Elexon Service Portal			
	Service Partner: CGI Service Desk			
Incident tracking	The status of all requests logged.			
	• Any breaches of the SLAs.			
Resource Allocation	Service Management / Elexon	Service Portal - Elexon		
	Service Desk – CGI			
Point of Contact:	Name	Contact Details		
Elexon	Elexon Service Desk	https://support.elexon.co.uk/csm		
Major Incident	Major Incident Records are created vi	a the Elexon Service Portal		
Logging				
	The information recorded during Incident logging will contain but not be limited to			
	the following:			
	Incident Reference			
	Contact Name			
	Severity Level			
	Incident start time/date			
	• SLA: (within scope of contract)			
	SLA Status: (In SLA/Breached)			
	 Summary of Incident (Incident title, what has been reported) 			
	 Impact Statement (
	If applicable, Next Steps (details on next plan of action times and other			
	parallel activities)			
Providing	When raising a Major Incident, Service Users and Service Provider will be asked to			
Information when	provide answers to some questions to enable response to that Incident in the			
Logging	most efficient and appropriate manner.			
Major Incident	Elexon Service Management			
Manager				

7.3 Major Incident Management - RACI

Major Incident Management	Elexon Service Management	Service Users / Service Provider	Major Incident Manager	Elexon Service Mgr.	Resolver / Product Owner	CGI Service Desk
Major Incident Diagnosis	R	R	C/I	А	I	Ι
Major Incident Logging	R	R	C/I	Α	I	Ι
Major Incident Categorization	C/I	C/I	C/I	R	I	Ι
Major Incident Prioritisation	C/I	C/I	C/I	R	I	I
Major Incident Assignment	C/I	C/I	C/I	R	I	I
Task Creation and Management	C/I	C/I	C/I	С	I	A/R
SLA Management and Escalation	C/I	C/I	C/I	А	I	I
Functional Resolution	С	С	С	R	А	I
Major Incident Closure	I	I	A/R	I	I	Ι
Communication and Updates	I	I	A/R	I	I	I

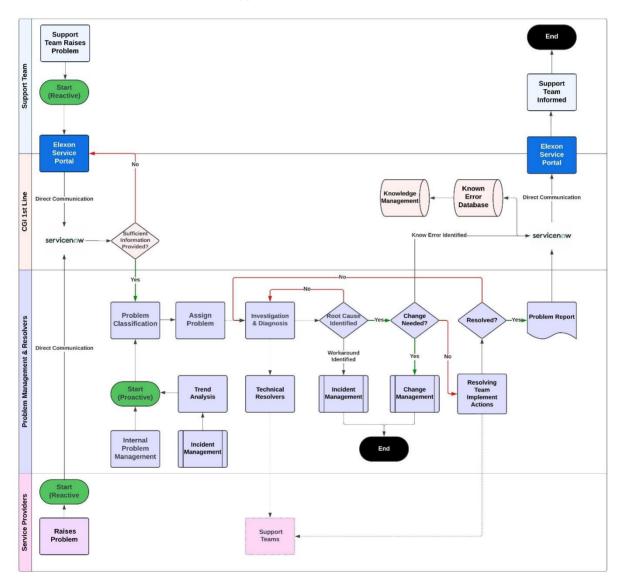
8 Problem Management

8.1 Problem Management - Purpose

The purpose of ITIL Problem Management is to identify the root causes of recurring incidents within the IT infrastructure and services, with the aim of preventing their recurrence and minimising their impact on business operations.

8.2 Problem Management - Process Flow

The below process flow is the interlocking Problem Management Flow for Problems raised in relation with Service Providers and Support Teams.



8.3 Problem Management - Support Model

Topics	De	Description		
Support Hours	Elexon Service Portal & Service Desk will operate during working hours 9.00am till			
	5.00pm			
Contact Methods	Service User: Elexon Service Portal			
	Service Partner: CGI Service Desk			
Incident tracking	ing • The status of all requests logged.			
	Any breaches of the SLAs.			
Resource Allocation	Service Management / Elexon	Service Portal - Elexon		
	Service Desk – CGI			
	Service Providers			
Point of Contact:	Name	Contact Details		
Elexon	Elexon Service Portal	https://support.elexon.co.uk/csm		
Problem Logging	When raising a Problem record in Elex needs to be provided covering the bel	on Service Portal, a Problem Statement ow		
	 Description of Problem Related incident References e.g. ServiceNow ticket / case number Scope and Impact Background Information Urgency and Priority Stakeholders Expected Outcome Any additional details to clarify problem 			
Providing	When raising a Problem, Service Provider will be asked to provide answers to			
Information when	some questions to enable response to that Incident in the most efficient and			
Logging	appropriate manner.			
Problem Manager	Elexon Service Management			

8.4 Problem Priority Definitions

Service	Service Level
Level 1	For one or many related Incidents of Level 1 that affect a particular Service with no known permanent fix for such Incidents and with a high probability of reoccurrence.
Level 2	 For one or many related Incidents of Severity Level 1 or Level 2 that partially affect a particular with either a: (a) Work Around in place for such Severity Level 1 Incidents but with high probability of reoccurrence: or (b) No known permanent fix for such Severity Level 2 Incidents and with a high probability reoccurrence.

Level 3	Several related Incidents with a no known Work Around or permanent fix and with a low probability of reoccurrence.
Level 4	Several related Incidents with a Work Around but no permanent fix in place and with a low probability of reoccurrence

8.5 Problem Management Key Performance Indicators

Description	KPI
Time taken to identify the root cause from the Work Around being put in place for	5 Business Days
Problems of Severity Level L1	
Time taken to identify the root cause from the Work Around being put in place for	10 Business Days
Problems of Severity Level L2	
Time taken to identify the root cause from the Work Around being put in place for	20 Business Days
Problems of Severity Level L3/S3	
Time taken to identify the root cause from the Work Around being put in place for	60 Business Days
Problems of Severity Level L4	
Time taken to identify long term solution including recommended timeframe for	30 Business Days
implementation for Problems of Severity Level L1	
Time taken to identify long term solution including recommended timeframe for	45 Business Days
implementation for Problems of Severity Level L2	
Time taken to identify long term solution including recommended timeframe for	60 Business Days
implementation for Problems of Severity Level L3	
Time taken to identify long term solution including recommended timeframe for	120 Business Days
implementation for Problems of Severity Level L4	

8.6 Problem Management - RACI

Problem Management	Service Provider	Elexon Service Mgr.	CGI Service Desk	CGI / Elexon Problem Management.	Elexon Service SMEs
Raise Problem	C/I	С	R	A/R	С
Categorise Problem according to service and priority	C/I	Ι	С	A/R	С
Perform Root Cause Analyse	C/I	I	-	A/R	С
Develop Solution	R	I	-	R	А
Document conditions for known problem record	C/I	I	-	A/R	С
Create known problem record	C/I	Ι	-	A/R	С
Document workaround solution	C/I	Ι	I	A/R	I
Enter workaround solutions into Knowledge Management	I	I	I	A/R	I
Update Problem record in ServiceNow	I	Ι	I	A/R	I
Verify solution with Supplier or Customer	I	C/I	I	A/R	Ι

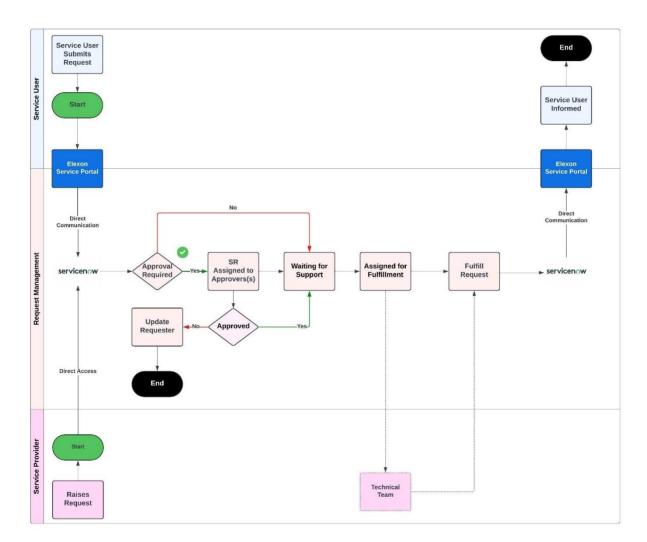
9 Request Fulfilment

9.1 Request Fulfilment – Purpose

The purpose of the Request Fulfilment process is efficiently handling service requests from Service Users and Service Providers to provide an open and transparent update on the status of Service Requests

9.2 Request Fulfilment - Process Flow

The below process flow is the interlocking Request Fulfilment Flow for Requests raised in relation with Service Provider and Service User



9.3 Request Fulfilment - Support Model

Topics	Description				
Contact Methods	Service User: Elexon Service	e Portal			
	Service Partner: CGI Service Desk				
Request Tracking	Service User: Elexon Service	e Portal			
	Service Partner: CGI Servic	e Desk			
Resource Allocation	Service Management / Elex	xon Service Portal - Elexon			
	Service Desk – CGI				
	Service Providers				
Point of Contact:	Name	Contact Details			
Elexon	Elexon Service Portal	https://support.elexon.co.uk/csm			
	 Name of the person making th Contact details (email, phone Department or business unit Location (if applicable) Request Details: Description of the request Category and subcategory Priority Attachments Additional Information (if app Configuration item (Cl) Related incident or change Requested due date. Approval (if required): 	number)			
Request Manager					
Request Manager	Related incident or change				

9.4 Request Fulfilment- RACI

Request Fulfilment	Service User / Requester	CGI Service Desk	Request Fulfiller (Service Provider or Elexon)	Service Manager	Head of Service Management
Submit Service Request	R	I	I	I	Ι
Log & Categorise Service Request	I	A/R	I	I	Ι
Initial Assessment	I	R	I	I	Ι
Approve/Reject Request	I		I	I	Ι
Assign Request to Support Team	I	A/R	I	I	Ι
Fulfil Request	I	I	I	I	Ι
Monitor & Track Progress	I	A/R	С	I	I

Update Requestor on Status	I	A/R		I	I
Close Request	Ι	A/R	С	Ι	I
Review & Report	I	A/R	С	А	I

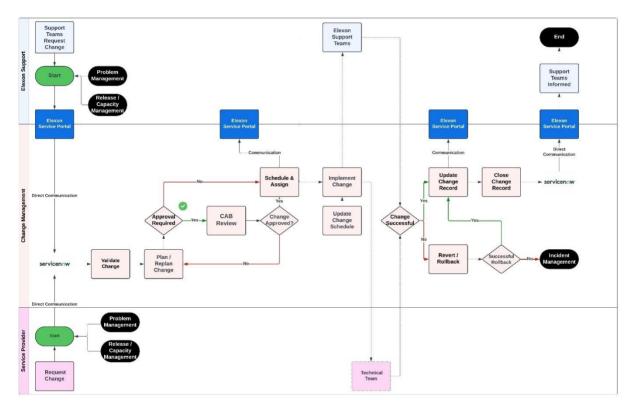
10 Change Management

10.1 Change Management - Purpose

The purpose of ITIL Change Management is to assess, plan, authorise and implement changes to live services in a controlled manner whilst understanding the risks and minimising the impact of change.

10.2 Change Management – Process Flow

The below process flow is the interlocking Change Management Flow for Requests raised in relation with Service Provider and Service User.



10.3 Change Management - Support Model

Topics	Description				
Contact Methods	Service User: Elexon Service Portal				
	Service Partner: CGI Service Desk				
Resource Allocation	 Service Management / Elexon Service Desk – CGI Service Providers 	Service Portal - Elexon			
Point of Contact:	Name	Contact Details			
Elexon	Elexon Service Portal https://support.elexon.co.uk/csm				
Change Logging	Below is the standard information nee	eded to log a Change Request.			

	Description
	Requested By
	Assignment Group
	Priority
	Configuration Item (CI)
	Implementation Plan
	Backout Plan
	Risk Assessment
	Approvals
Change Manager	Elexon Service Management

10.4 Change Management – RACI

Change Management	Change Initiator (Service User / Service Provider / Internal Elexon Support)	CGI / Elexon Change Manager	Change Advisory Board (CAB)	Service Provider / Elexon Support Team	Service Owner
Identify need for Change	A/R	Ι	I	I	Ι
Raise Change Request	R	I	I	I	Ι
Log Change Request	I	R	I	I	Ι
Initial Assessment	I	R	I	I	Ι
Categorise and Prioritise Change	I	R	I	I	С
Schedule CAB Meeting	I	R	I	I	Ι
Review Change Request	I	R	С	I	Ι
Approve / Reject Change	I	А	С	I	Ι
Coordinate Change Implementation	I	R	Ι	A/R	Ι
Implement Change	I	Ι	Ι	A/R	Ι
Monitor Change Implementation	I	R	I	A/R	Ι
Review & Close Change	I	R	I	I	Ι
Document Change Details	I	R	I	I	I
Communicate Change Status	I	R	I	I	I
Post Implementation Review	I	R	С	I	С
Report on Change Metrics	I	R		I	Ι

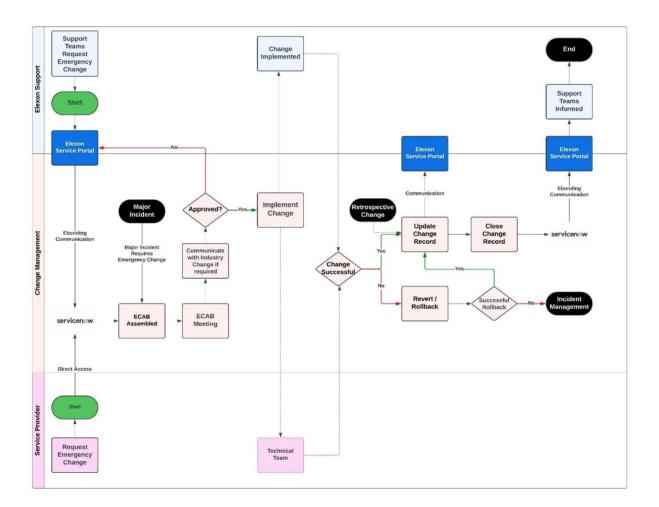
11 Emergency Change Management

11.1 Emergency Change Management – Purpose

The purpose of Emergency Change Management is to swiftly authorise changes to the service if significant disruptions have taken place or an incident has been detected. This also applies to any changes to the service that were not formally raised, agreed, and approved.

11.2 Emergency Change Management – Process Flow

The below process flow is the interlocking Change Management Flow for Emergency Changes raised in relation with Service Provider and Service Users.



11.3 Emergency Change – Support Model

Topics	Description				
Contact Methods	Service User: Elexon Service Portal	Service User: Elexon Service Portal			
	Service Partner: CGI Service Desk				
Resource Allocation	 Service Management / Elexon Service Portal - Elexon Service Desk – CGI Service Providers 				
Point of Contact:	Name	Contact Details			
Elexon	Elexon Service Desk	https://support.elexon.co.uk/csm			
Emergency Change Logging	 Below is the standard information nee Request. Description Requested By Assignment Group Priority Configuration Item (CI) Implementation Plan Backout Plan Risk Assessment Approvals 	eded to record an Emergency Change			
Emergency Change Manager	Elexon Service Management				

11.4 Emergency Change Management - RACI

Emergency Change Management	Change Initiator (Service User / Service Provider / Internal Elexon Support)	CGI / Elexon Change Manager	Change Advisory Board (CAB)	Service Provider / Elexon Support Team	Service Owner
Identify Emergency Change	R	I	I	I	Ι
Raise Emergency Change Request	R	A/R	I	I	Ι
Emergency Change Request	I	A/R		I	Ι
Initial Assessment	I	A/R	I	I	Ι
Schedule ECAB Meeting	I	A/R	С	С	Ι
Review Change Request	I	A/R	С	С	Ι
Approve / Reject Change	I	A/R	С	I	Ι
Communicate Decision	I	A/R	I	I	Ι
Plan Change Implementation	I	A/R	I	R	I
Implement Emergency Change	I	С	I	A/R	I

Monitor Implementation	Ι	A/R	I	I
Validate Change Outcome	Ι	A/R	I	I
Communicate Outcome	I	A/R	I	I
Post Implementation Review	I	A/R	I	С
Emergency Change Report	Ι	A/R	Ι	С

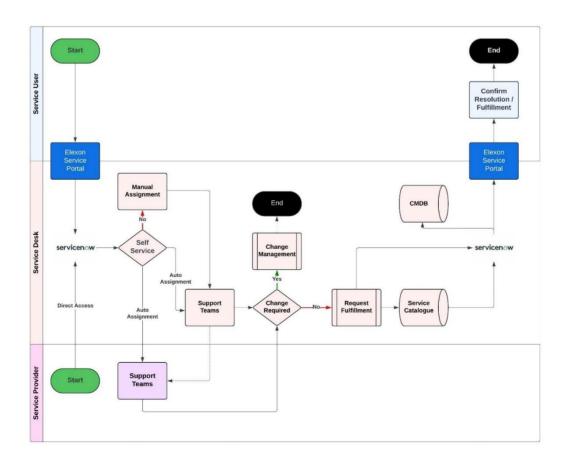
12 Service Catalogue

12.1 Service Catalogue – Purpose

The purpose of a service catalogue is to provide a comprehensive and organised listing of services available to Service Users along with expected response times for when the request should be fulfilled

12.2 Service Catalogue – Process Flow

The below process flow is the interlocking Service Catalogue Flow in relation to Service Providers and Service Users



12.3 Service Catalogue - Support Model

Topics	D	escription			
Contact Methods	Service User: Elexon Service Portal Service Partner: CGI Service Desk				
Resource Allocation	 Service Management / Elexon Service Portal - Elexon Service Desk – CGI Service Partner - Service Provider 				
Point of Contact:	Name	Contact Details			
Elexon	Elexon Service Portal	https://support.elexon.co.uk/csm			
Service Catalogue Request	 Below is the standard information needs Navigate to the Service Catalogu Select the Service Category which Request, Business Service) Complete the required form Submit the request Request will be accepted, and construction A URL link will be provided to trace 	e h is required (e.g. IT Support, Hardware onfirmation email will be sent			
Service Catalogue Manager	Elexon Service Management				

12.4 Service Catalogue – RACI

Service Catalogue	Service Owner	CGI Service Catalog Manager	CGI Service Desk	Elexon Service Management	Service Users
Define Services	А	R	С	I	I
Create Service Catalogue Entries	С	R	I	А	I
Update Service Catalogue Entries	С	R	I	А	Ι
Review Service Catalogue	С	R	I	А	Ι
Publish Service Catalogue	I	R	С	А	R
Manage Service Requests	I	I	R	А	R
Provide Feedback on Services	I	С	I	I	R
Approve New Services	С	А	I	R	Ι
Retire Services	С	R	I	А	Ι
Service Performance Monitoring	С	R	I	А	I

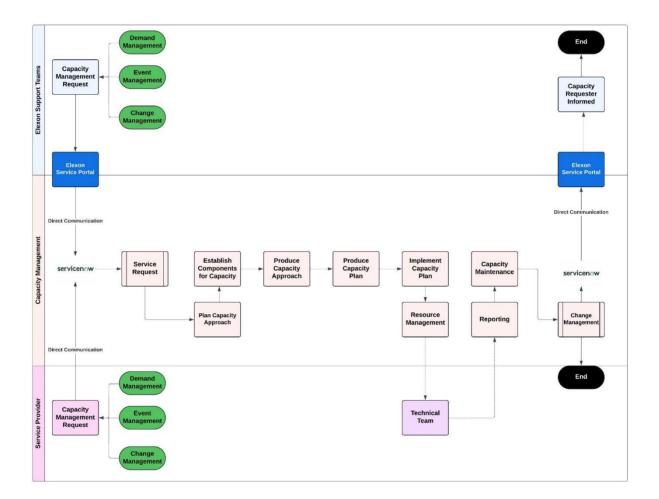
13 Capacity Management

13.1 Service Catalogue – Purpose

The purpose of a Capacity management is the practice of right-sizing IT resources to meet current and future needs.

13.2 Capacity Management - Process Flow

The below process flow for Capacity Management.



13.3 Capacity Management - Support Model

Topics	De	escription			
Contact Methods	Service User: Elexon Service Portal				
	Service Partner: CGI Service Desk				
Resource Allocation	Service Management / Elexon	Service Portal - Elexon			
	Service Desk – CGI				
	Service Provider				
Point of Contact:	Name	Contact Details			
Elexon	Elexon Service Portal	https://support.elexon.co.uk/csm			
Capacity	Below is the standard information nee	eded:			
Management					
Request	Business Justification				
	Impact Analysis				
	Current Capacity Status				
	Current Utilisation				
	Detail of Performance Issues				
	Expected Growth				
	Resource Specifications				
	Technical Assessment				
	Costing				
	Implementation Plan				
Capacity Manager	Elexon Service Management				

13.4 RACI Matrix – Capacity Management

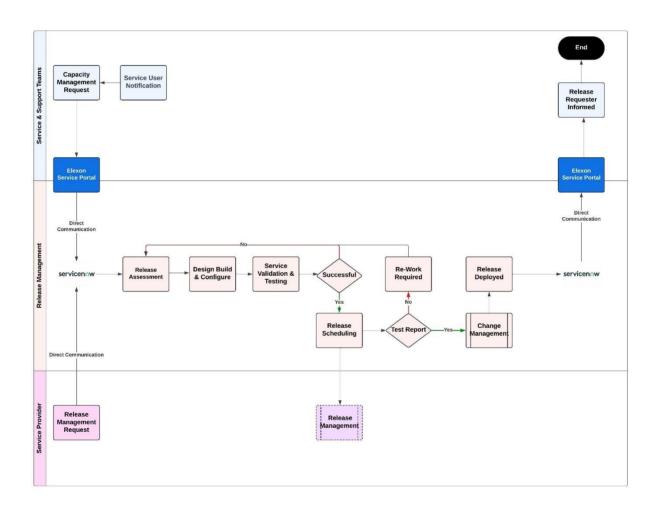
Capacity Management	Capacity Manager	Service Provider / Elexon Support	Service Owner	Elexon Service Management	Service Users
Identify Capacity Requirements	A/R	С	С	I	Ι
Forecast Capacity Needs	A/R	С	С	I	Ι
Monitor Current Capacity	A/R	R	С	I	Ι
Analyse Capacity Trends	A/R	R	С	I	Ι
Create Capacity Plan	A/R	R	С	I	Ι
Implement Capacity Changes	A/R	R	С	I	Ι
Report on Capacity Metrics	A/R	R	С	I	I

14 Release Management

The Release Management process focuses on quality and customer experience as primary to product and service deployment.

14.1 Release Management – Process Flow

The below process flow is the interlocking Release Management Flow for in relation to Service Provider and Service Users



14.2 Release Management – Support Model

Topics	De	scription				
Contact Methods	Service User: Elexon Service Portal	Service User: Elexon Service Portal				
	Service Partner: CGI Service Desk					
Resource Allocation	 Service Management / Elexon 	Service Portal - Elexon				
	 Service Desk – CGI 					
	Service Provider					
Point of Contact:	Name	Contact Details				
Elexon	Elexon Service Portal	https://support.elexon.co.uk/csm				
Release	Below is the standard information nee	eded:				
Management						
Logging	• Identify the need for the release					
	Create a Release Request					
	Gather detailed information including description, type and components					
	Set target release date					
	Risk Assessment					
	Create a Release Plan					
	Submit Release Request					
Release Manager	Elexon Service Management					

14.3 RACI Matrix – Release Management

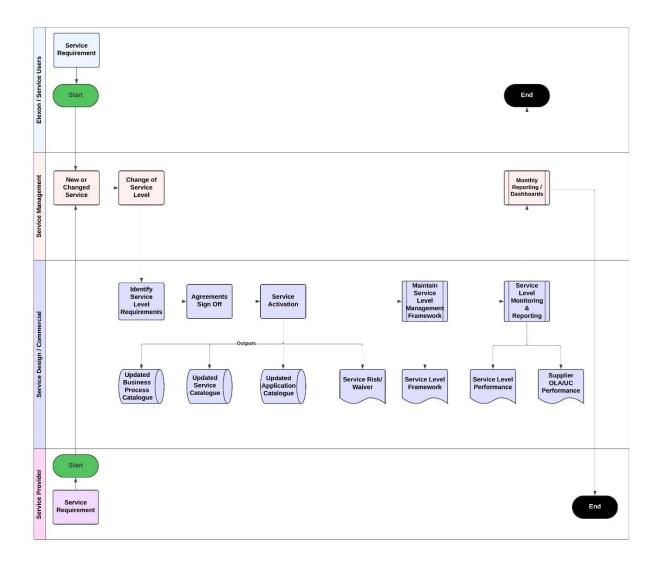
Release Management	Release Manager	Deployment Manager	Change Manager	Service Owner	IT Operations	Development Team	QA/Testing Team	Service Users / Service Providers	CGI Service Desk
Planning Release and Deployment	A/R	С	С	С	С	С	С	I	I
Designing Release Packages	A	R	С	С	I	R	С	I	I
Build and Test Release Packages	A	С	С	I	I	R	R	I	I
Update Release Records	A/R	R	С	I	I	I	I	I	I
Communicate Release Status	A/R	С	Ι	I	I	I	I	I	I
Designing Release Packages	A	R	С	С	Ι	R	С	Ι	Ι

15 Service Level Management (SLM)

Service Level Management ensures that IT services meet agreed-upon performance standards by defining, negotiating, and managing service level agreements (SLAs) both internally and with the interaction of Service Users and Service Providers. It involves monitoring service performance, reviewing SLAs, and implementing improvements to align IT services.

15.1 Service Level Management- Process Flow

The below process flow is the interlocking Service Level Management Flow in relation to Service Providers and Service Users



15.2 Service Level Management- Support Model

Topics	Description				
Contact Methods	Service User: Elexon Service Portal				
	Service Partner: CGI Service Desk				
Resource Allocation	Service Management / Elexon	Service Portal - Elexon			
Point of Contact:	Name	Contact Details			
Elexon	Elexon Service Portal	https://support.elexon.co.uk/csm			
Service Level	The ITIL Service Level Management (S	LM) lifecycle involves several stages that			
Management Details	ensure Service are defined, negotiated, monitored, and improved to meet agreed service levels.				
	 Service Level Requirements (SLR) Gathering Develop Service Level Agreement (SLA) – Analyse, Draft, Negotiate, 				
	FinaliseDevelop Operational Level Age (UC)	reements (OLA) and Underpinning Contracts			
	Define Service Level Monitoring and Reporting				
	 Define and Agree Service Reviews and Reporting 				
	 Continuously analyse perform 	ance to Identify Improvement Opportunities			
	Service Level Management Re	view and Refinement			
Service Manager	Elexon Service Management				

15.3 RACI Matrix – Service Level Management

Service Level Management	Service Owner	SLM Manager	IT Manager	Service Desk	Service Users	Suppliers
Define SLA requirements	С	R/A	С	Ι	С	C
Negotiate SLAs	Α	R	С	I	С	С
Document SLAs	С	R	I	Ι	I	I
Monitor SLA performance	I	R	С	R	I	I
Review SLA performance	Α	R	С	Ι	С	С
Report on SLA performance	I	R	I	Ι	С	I
Manage SLA breaches	Α	R	С	R	I	С
Conduct SLA review meetings	Α	R	С	Ι	С	I
Update SLAs	С	R	I	Ι	I	I
Define SLA requirements	С	R/A	С	Ι	С	С
Negotiate SLAs	А	R	С	Ι	С	С
Document SLAs	С	R		Ι	I	I

Monitor SLA performance	I	R	С	R	I	I
Review SLA performance	А	R	С	Ι	С	С
Report on SLA performance	I	R	I	Ι	С	I

16 Knowledge Management

16.1 Knowledge Management – Purpose

The purpose of Knowledge Management is to ensure that information and knowledge within an organization are effectively captured, stored, shared, and utilised to support decision-making, improve efficiency, and enhance service management processes.

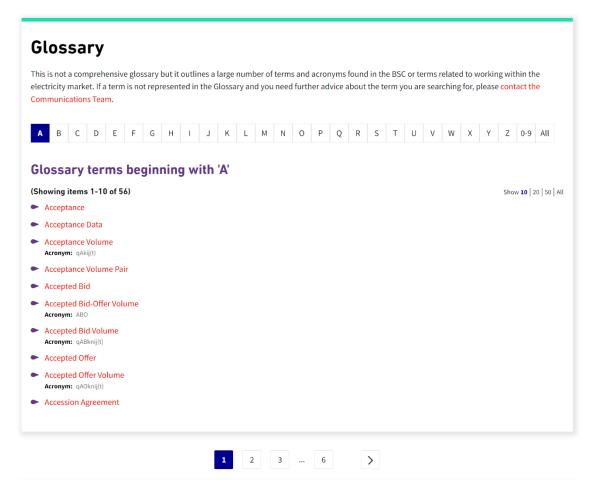
16.2 Knowledge Management – Knowledge Access

The Elexon Knowledgebase for Service Users is accessible via the Elexon Support Portal, <u>https://support.elexon.co.uk/csm</u>

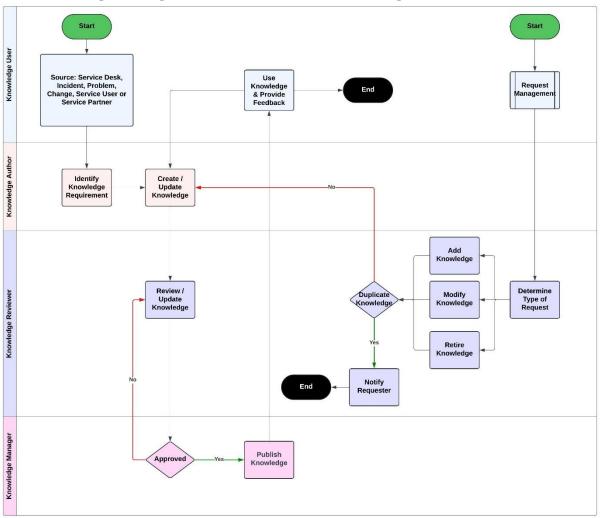
Currently you will access the Knowledge Base on the below toolbar referencing 'Glossary'

	Log in
<u>elexon</u> S <mark>uppor</mark> t	
ELEXON BSC WEBSITE BSC STATUS UPDATE DASHBOARD	
Welcome to Eleven Support where you can submit and track a sace	
Welcome to Elexon Support where you can submit and track a case	
To ensure that you are able to access all of the options available from the Elexon Support service, we recommend that you register an account ahead of submitting an enquiry. By registering an account you will receive email updates on the progress of your case and can view and track other cases you	submit.
Register an account Bubmit a case Track an existing case	
Register an individual user account to obtain case management functionality, such as track their individual progress and see closed enquiries where the individual progress are closed enquiries where the individual progres	ien
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Once clicked you will access the Knowledge Base and can search for your item / Topic



*The Knowledge Base is currently under development.



16.3 Knowledge Management – Process Flow – Knowledge Creation

16.4 Knowledge Management - Support Model

Topics	Description					
Contact Methods	Service User: Elexon Service Portal					
	Service Provider: Elexon Service Portal	Service Provider: Elexon Service Portal				
Resource Allocation	Service Management / Elexon Service Portal - Elexon					
Point of Contact:	Name Contact Details					
Elexon	Elexon Service Portal https://support.elexon.co.uk/csm					
Knowledge	Knowledge Management focuses on systematically collecting, storing, sharing, and					
Management Details	leveraging knowledge within IT service management					
Knowledge Manager	Elexon Service Management					

16.5 Knowledge Management – RACI

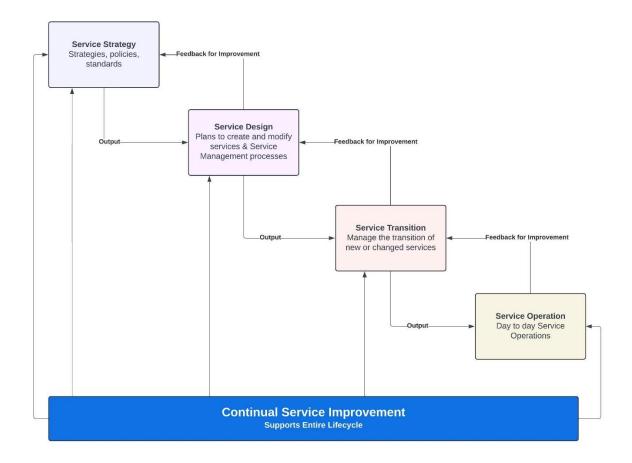
Knowledge Management	Knowledge Manager	Service Desk	Knowledge Author	Service Users	Process Owner
Create and update knowledge articles	R	С	С	I	А
Review and approve knowledge articles	Α	R	R	I	С
Identify knowledge gaps	А	С	С	I	С
Maintain the Knowledge Base	Α	С	С	I	С
Knowledge sharing	А	С	С	I	С

17 Continual Service Improvement (CSI)

Continual Service Improvement (CSI) is a process aimed at continuously enhancing IT services and processes by identifying and implementing improvements that align IT services with changing business needs.

17.1 Continual Service Improvement- Overview Flow

The below overview flow for Continual Service Improvement



17.2 Continual Service Improvement Support Model

Topics	Description
Contact Methods	Elexon Service Management
Resource Allocation	Service Management - Elexon
Continual Service Improvement Details	The Continual Service Improvement aligns with changing business needs and improving services
	 Ensure that IT services are continually aligned with evolving business requirements and objectives. Improve the effectiveness and efficiency of IT services through ongoing refinement. Streamline IT processes and service delivery to reduce costs and increase value.
CSI Manager	Elexon Service Management

18 Major Incident Scenarios

Below is a representation of Major Incident Scenarios

#	Industry Impacting Outages	Variations (incl. market share impact)	When an incident occurs?	Downtime	Who raises Issue with Service Now	Notes	Category
SC1	DIP	DIP service failure	In Hours - within Secure Active window	2 Settlement Period downtime (impacting incoming consumption and registration data) = hour	SDS receiving http error message (e.g. Callisto)	Impact: (1) DIP secondary routing tables are not updated when in the secure active window*. Response: Therefore need to manage the recovery sequence. This is to avoid misrouting of flows. *5-8pm (tbc) - when registration service is sending out the key appointment flows (IF036)	Choreography
SC2	DIP	DIP service failure	Out of Hours	3 Settlement Period downtime (impacting incoming consumption and registration data) = 90 mins	DIP monitoring triggers incident report	Impact: As per SC1 Response: Is on call support sufficient or available to deal with a problem like SC1	Time or Market Share Thresholds

SC3	DIP	Security	Within Working	Either	DIP monitoring	Impact: Potential	Service Provider
		Incident	Hours	unauthorised	triggers incident	downtime if penetration	Definition of Impact
				data breach due	report	occurring. Data breach	
				to a security		could be actively managed	
				incident or		while platform remains up.	
				suspected			
				security incident		Response: Engage Security	
				at DIP.		& act according to the	
				Unauthorised		security policy of the	
				penetration of		organisation impacted	
				customer			
				system(s) at DIP			
SC4	Registration	Single LDSO	In Hours - within	2 hours	Supplier not	Impact: Any response	Choreography/Time or
		failure (e.g.	Secure Active		receiving PUB	from the LDSO	Market Share
		DNO	window		responses	Registration service would	Thresholds
		Adaptor				be delayed and that would	
		instance)				impact what DIP can send	
						out. So, a secondary	
						routing issue appears on a	
						smaller scale to SC1.	
						Response: Therefore, need	
						to manage the recovery	
						sequence for a particular	
						DNO area (e.g. Yorkshire).	
						This is to avoid misrouting	
						of flows. Need to ensure	
						correct sequence of	
						processing in the DIP via	
						manual intervention (TBC -	
						functionality not there at	
						moment but in backlog).	

SC5	Registration	Single LDSO failure (e.g. DNO Adaptor instance)	Out of hours	2 hours	Supplier's service provider (e.g. ESG) not receiving PUB responses	Impact: Asper SC4 Response: Is on call support sufficient or available to deal with a problem like SC1 We recognise LDSOs do not run Service Desks out of hours, so this test to run through what happens in these circumstances	Time or Market Share Thresholds
SC6	Registration	MPRS software failure (i.e. impacting all LDSOs)	In hours - within Secure Active window	24 hours	Supplier not receiving PUB responses	Impact: Registration service ceases to function. Appointments, Change of supplier etc aren't updated. Response: Needs EES to be brought back into Sync with MPRS once MPRS issue resolved. Similar to SC1 (sequencing/secondary routing) & SC17 (managing volume)	Choreography
SC7	Registration	MPRS software failure (i.e. impacting all LDSOs)	Out of hours	24 hours	Supplier not receiving PUB responses	Impact: As above Response: As above We recognise LDSOs do not run Service Desks out of hours, so this test to run through what happens in these circumstances	Time or Market Share Thresholds

SC8	CSS	CSS System	As per prior	As per prior	DCC raise from	Impact:	
500	C33	failure				Inpact.	
		Tallure	operational	operational	TOC diagnostics	Lawra Ducklaus	
			incident	incident		Large Problem = messages	
						not getting to registration	
						and therefore Registration	
						Service ceases to function.	
						Appointments, Change of	
						supplier etc aren't updated	
						(like SC6).	
						Smaller Problem = Meter	
						Data Retriever (MDR's) not	
						getting updated to DCC	
						and therefore not able to	
						collect data. As attempts	
						to change the MDR and	
						not been concluded	
						successfully. Therefore,	
						out of sync.	
						Response: Sequencing &	
						Volume management	
SC9	VAS - Helix	VAS System	Working Day as	48-hour	Supplier raises no	Impact: Suppliers & LDSO's	Service Provider
		failure	per settlement	weekdays	receipt of REP003	not receive reports. Some	Definition of Impact
			calendar		reports	of these reports support	
						DUoS Billing (distribution	
						use of system - billing	
						supps for using network).	
						Response: Participants flag	
						to Elexon SM, then Elexon	
						would ultimately engage	
				1		would ultimately engage	

						the Helix SD process. Though we'd expect Helix to have noticed this!	
SC10	MDS - Helix	MDS System failure	Working Day as per settlement calendar	48-hour weekdays	LDSO raises no receipt of REP002a reports	Impact: Suppliers & LDSO's not receive reports. Some of these reports support Duos Billing (distribution use of system - billing supps for using network).	Service Provider Definition of Impact
						Response: Participants flag to Elexon SM, then Elexon would ultimately engage the Helix SD process. Though we'd expect Helix to have noticed this!	

SC11	LSS - Helix	LSS System	Working Day as	48 hour	ADS raises no	Impact: SDS & ADS	Service Provider
		failure	per settlement	weekdays	receipt of LSS	wouldn't receive data	Definition of Impact
			calender		data	allowing them to estimate	
						consumption. So the	
						IF021's would be delayed	
						for estimation only. Also a	
						volume allocation impact	
						as shifting bulk of IF021 to	
						later in the day after that	
						normal expected peak	
						time (5am to 8am)	
						Response: Elexon would	
						ultimately engage the	
						Helix SD process. Though	
						we'd expect Helix to have	
						noticed this!	
SC12	ISD - Helix	Incorrect	In accordance	48 hour	St Clements raises	Impact: Increased	Choreography
		data sent	with ISD	weekdays	processing issue	validation failures. As	
		impacting	timetable		due to ISD	everyone is using this data	
		PPs	(monthly or		mismatches	set for many processes,	
			fortnightly			we'd expect many	
			updates)			unpredictable impacts	
						Response: Get new ISD	
						issued	
SC13	ISD - Helix	ISD system	In accordance	System down	Newly Qualified	Impact: Similar to above	Choreography
		failure	with ISD	during ISD	Party raises lack	but on a larger scale	
			timetable	publication	of data to start	Response: Return service	
			(monthly or	window	migration	to working state	
			fortnightly				
			updates)				

SC14	DAH - Helix	Data	5am to 8am	3 hours	Helix Internal	Impact: MHHS	Time or Market Share
		Acquisition	weekday = Peak		and/or DIP	Consumption &	Thresholds
		Hub System	Data Flow as per			Registration messages will	
		failure	the Message			be backing up & retrying	
			Model (31.3M			for 72 hours on the DIP.	
			messages)			Helix's Zone redundancy	
						should ensure no data loss	
						internally	
						Response: Elexon would	
						ultimately engage the	
						Helix SD process. Though	
						we'd expect Helix to have	
						noticed this!	
SC15	SDS	Failure of	Working Days	2 Settlement	Supplier raises	Similar to SC17 DCC but on	Time or Market Share
		major SDS		Days	lack of actual data	a smaller scale. Volume	Thresholds
		(e.g. Callisto)			in REP003 r eports	allocation displacement.	
						Shifting 2 days of IF21	
						volume and then having to	
						manage the re-	
						introduction of the backlog	
						To test criteria of whether	
						Major Incident - may	
						expect this would go to	
						Incident Management	

SC16	EES	EES Service Failure	Working Days	2 days	Supplier gets REGS failures as result of inconsistent data	EES out of synch with REG To test criteria of whether Major Incident - if not, could go to Incident Management maybe	Choreography /Service Provider Definition of Impact
						Cr044 (to be approved) - if EES data gets corrupted we would utilise the proposed flow EES can supply to Registration to bring it back in sync	
SC17	DCC	DCC Service Failure	IF-021's cannot be issued	1/2 day	DIP identify requirements for increased IF-021 volumes (e.g. in the afternoon)	Impact: Ability for DIP & Helix to flex message volume profile. DIP & Helix are expecting high volumes from 5am to 8.30am. If this peak is moved by a system outage can DIP & Helix manage recovery in such a way that they are not overwhelmed. Response: Might need a staged recovery from all or key participants to manage the volume backlog	Time or Market Share Thresholds

SC18	DTN	DTN Service	e.g. D0010	1/2 day	Electralink raises	Impact: One of awareness	Choreography
		Failure	(Meter		call to advising of	to participants who may	
			Readings),		a significant DTN	call ELEXON service desk,	
			D0030 (DUOS		outage	example during migration	
			report) cannot			that PP will receive	
			be issued			Reports for migrated	
						meters but not for non-	
						half-hourly	

19 Appendix – DIP Scenarios

Below is a representation of DIP Scenarios

Category	Description	Туре	Report to	Entry	Priority	Channel	Minimum Dataset & L1 Steps	L2 Scope & Steps	L3 Scope
DIP – Registration / General Portal	Why haven't I received my invitation link yet despite my request hitting delivery SLA?	SRQ	DIP Manager via Elexon Portal	L1	Ρ3	PORTAL	Triage & allocate to	DIP Manager for further triage/progression	
DIP – Registration	I am a Market Participant, and I don't see any DIP	OTHER	N/A	N/A	N/A	N/A	N/A	N/A	N/A

/ General Portal	IDs listed; how do I assign my roles? OTHER - Self Serve - Knowledge Article to underpin.								
DIP – Registration / General Portal	As a Market Participant, how do I nominate my DCP, I don't see mine in the list?	INC	DIP Manager via Elexon Portal	L1	Ρ3	PORTAL	Triage & allocate to	DIP Manager for further triage/progression	
DIP – Registration / General Portal	My DCP status is stuck in Pending, what should I do?	INC	DIP Manager via Elexon Portal	L1	Ρ3	PORTAL	Triage & allocate to	DIP Manager for further triage/progression	
DIP – Registration / General Portal	As a MP User Admin, I have assigned myself additional roles, yet cannot see them reflected in the portal?	INC	DIP Manager via Elexon Portal	L1	Ρ3	PORTAL	Triage & allocate to	DIP Manager for further triage/progression	
DIP – Registration / General Portal	Delay in promotion to production environment	INC	DIP Manager via Elexon Portal	L1	Ρ3	PORTAL	Triage & allocate to	DIP Manager for further triage/progression	
Certificate Admin Reg & Vetting	I have not received a vetting call from GlobalSign	INC	DIP Manager via Elexon Portal	L1	Р3	PORTAL	Triage & allocate to	DIP Manager for further triage/progression	

Certificate Admin Reg & Vetting	My cert upload to GlobalSign keeps failing	INC	Service Provider	L1	P3	PORTAL	Triage & allocate to	Service Provider for L2 Support	Service Provider for L3 Support
Certificate Admin Reg & Vetting	What should I do if I have not received my onboarding email for User Admin?	INC	DIP Manager via Elexon Portal	L1	Ρ3	PORTAL	Triage & allocate to	DIP Manager for further triage/progression	
Certificate Admin Reg & Vetting	Why do I get a "Domain creation failed" message when I try to register my domain in the DIP - portal? Underpin with KA for self-serve option.	INC	Service Provider	L1	Ρ3	PORTAL	Triage & allocate to	Service Provider for L2 Support	Service Provider for L3 Support
Certificate Admin Reg & Vetting	Can the domain used for vetting be different from the domain used for certificates during the certificate and vetting process? Knowledge article/FAQ's not a support issue	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Certificate Admin Reg & Vetting	We received a Domain name failure error message. Should we use the Atlas	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

	portal to create and validate a domain? Knowledge article/FAQ's not a support issue								
DIP – Send Message	User Error - Self Help guidance and then escalate into support DIP Manager	INC	DIP Manager via Elexon Portal	L1	Р3	PORTAL	Triage & allocate to	DIP Manager for further triage/progression	
DIP – Send Message	Keys not working - KA initially Self Help	INC	Service Provider	L1	Р3	PORTAL	Triage & allocate to	Service Provider for L2 Support	Service Provider for L3 Support
DIP – Send Message	API Not Working - Self Help guidance via response codes and then escalate into support	INC	Service Provider	L1	Р3	PORTAL	Triage & allocate to	Service Provider for L2 Support	Service Provider for L3 Support
DIP – Send Message	Bounce Back - Self Help guidance via response codes and then escalate into support	INC	Service Provider	L1	Р3	PORTAL	Triage & allocate to	Service Provider for L2 Support	Service Provider for L3 Support
DIP – Send Message	Back Off and Retry - Self Help guidance via response codes and then escalate into support	INC	Service Provider	L1	Ρ3	PORTAL	Triage & allocate to	Service Provider for L2 Support	Service Provider for L3 Support
DIP – Send Message	Message Recipient L3 & L4 - Self Help guidance via response codes and	INC	DIP Manager via	L1	Р3	PORTAL	Triage & allocate to	DIP Manager for further triage/progression	

	then escalate into support (DIP Manager coordination)		Elexon Portal						
DIP – Send Message	DIP L1 & L2 Rejection - Self Help guidance via response codes and then escalate into support	INC	Service Provider	L1	Ρ3	PORTAL	Triage & allocate to	Service Provider for L2 Support	Service Provider for L3 Support
DIP – Receive Message	Error Messages - Self Help guidance and then escalate into support	INC	Service Provider	L1	Р3	PORTAL	Triage & allocate to	Service Provider for L2 Support	Service Provider for L3 Support
DIP – Receive Message	Keys not working - Self Help guidance and then escalate into support	INC	Service Provider	L1	Р3	PORTAL	Triage & allocate to	Service Provider for L2 Support	Service Provider for L3 Support
DIP – Receive Message	Webhook not working - Self Help guidance and then escalate into support	INC	Service Provider	L1	Р3	PORTAL	Triage & allocate to	Service Provider for L2 Support	Service Provider for L3 Support
DIP – Receive Message	Replay Failure - Self Help guidance and then escalate into support	INC	Service Provider	L1	Р3	PORTAL	Triage & allocate to	Service Provider for L2 Support	Service Provider for L3 Support
DIP – Use of Third Party (DIP Connection Provider)	Incorrect Digital Keys - Self Help guidance and then escalate into support	INC	DIP Manager via Elexon Portal	L1	Р3	PORTAL	Triage & allocate to	DIP Manager for further triage/progression	

DIP – Use of Third Party (DIP Connection Provider)	Key Sharing - Self Help guidance (Not an Elexon Support responsibility)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DIP – Use of Third Party (DIP Connection Provider)	Data not forwarded / Received - Self Help guidance (Not an Elexon Support responsibility)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DIP – Annual Events	Certificate Renewal - Self Help guidance Knowledge article and then escalate into support	INC	Service Provider	L1	Ρ3	PORTAL	Triage & allocate to	Service Provider for L2 Support	Service Provider for L3 Support
DIP – Annual Events	Global Sign T&C's - Self Help guidance Knowledge article/FAQ's not a support issue								
DIP – Appeal Decisions	Submissions - Procedure in DIP rules managed by DIP Manager	OTHER	DIP Manager via Elexon Portal	L1	Р3	PORTAL	Triage & allocate to	DIP Manager for further triage/progression	
DIP – Appeal Decisions	Determination - Procedure in DIP rules managed by DIP Manager	OTHER	DIP Manager via Elexon Portal	L1	Р3	PORTAL	Triage & allocate to	DIP Manager for further triage/progression	

DIP - Assurance	Notice of Checks - Procedure in DIP rules managed by DIP Manager	OTHER	DIP Manager via Elexon Portal	L1	Р3	PORTAL	Triage & allocate to	DIP Manager for further triage/progression	
DIP - Assurance	Assurance Resolution - Procedure in DIP rules managed by DIP Manager	OTHER	DIP Manager via Elexon Portal	L1	Р3	PORTAL	Triage & allocate to	DIP Manager for further triage/progression	
DIP - Assurance	DIP User Dashboard - Procedure in DIP rules managed by DIP Manager	OTHER	DIP Manager via Elexon Portal	L1	Р3	PORTAL	Triage & allocate to	DIP Manager for further triage/progression	
DIP - Change	Submit CR - Procedure in DIP rules managed by DIP Manager	CHG	DIP Manager via Elexon Portal	L1	Ρ3	PORTAL	Triage & allocate to	DIP Manager for further triage/progression	
DIP - Change	Amend / Update CR	CHG	DIP Manager via Elexon Portal	L1	Ρ3	PORTAL	Triage & allocate to	DIP Manager for further triage/progression	
DIP - Change	Close CR	CHG	DIP Manager via Elexon Portal	L1	Р3	PORTAL	Triage & allocate to	DIP Manager for further triage/progression	

DIP - Funding	Invoice Receipt -	SRQ	DIP Manager via Elexon Portal	L1	Р3	PORTAL	Triage & allocate to	DIP Manager for further triage/progression	
DIP - Funding	Payments - Query based	OTHER	DIP Manager via Elexon Portal	L1	Ρ3	PORTAL	Triage & allocate to	DIP Manager for further triage/progression	
DIP - Funding	Update Bank Details	SRQ	DIP Manager via Elexon Portal	L1	Ρ3	PORTAL	Triage & allocate to	DIP Manager for further triage/progression	
DIP - Funding	Item Queries - Query based	OTHER	DIP Manager via Elexon Portal	L1	Ρ3	PORTAL	Triage & allocate to	DIP Manager for further triage/progression	
DIP Data Request	Submission	SRQ	DIP Manager via Elexon Portal	L1	Ρ3	PORTAL	Triage & allocate to	DIP Manager for further triage/progression	