



**XRN4801 - Additional information to be  
made viewable on DES**

High Level System Solution  
Impact Assessment

# Change Overview

## XRN4801 - Additional information to be made viewable on DES

This change was raised to look at adding additional data items to Data Enquiry Service to aid Shippers with resolving operational queries. This delivery will help Shipper users resolve their operational queries more quickly and efficiently without the need to contact Xoserve to obtain this information. As part of this change, below details will be made available on the Data Enquiry (DES) screens:

- Original Meter Reading and associated Replacement Meter Reading (P)
- Last actual read recorded prior to transfer of ownership (C)
- Corrector: Reading Units (P), Imperial/Metric Indicator (C)
- Uncorrected read on all reads shown in the read history with a convertor (P)
- Convertor Asset: Dials - both uncorrected and corrected (C)
- Supplier End Date (C), • End User Category (C), • ASP Name (C), • MAP ID (C)
- Last JOB rejection (C), • Last UPD rejection (C), • Active Read (P), • Inactive Read (P)
- Corrective Meter Exchanges (as per current exchange rules)
- Final read (FINC/FINX) to Display as D in DES (currently D-1) for class 3 meter points when an RGMA update is received for an asset removal or exchange and also any other billing critical updates received via RGMA
- FICC (class change read) read to Display as D in DES (currently D-1) for any class change

(P – Portfolio View; C – Community View)

## Solution Options

1

Additional data items to be shown in DES

# Option 1 - High Level Impact Assessment

## 1 - Additional data items to be shown in DES

### SAP BW:

- Code changes in the DES logic for 'Read Details' screen
- Code and structure enhancement in the interface for 'Meter point Information', 'Meter Asset Data' and 'Convertor Asset Data' tab
- Code changes to Community view for Shipper users
- Logic to extract Read indicator from multiple ISU tables to BW tables and historic data load for read indicator

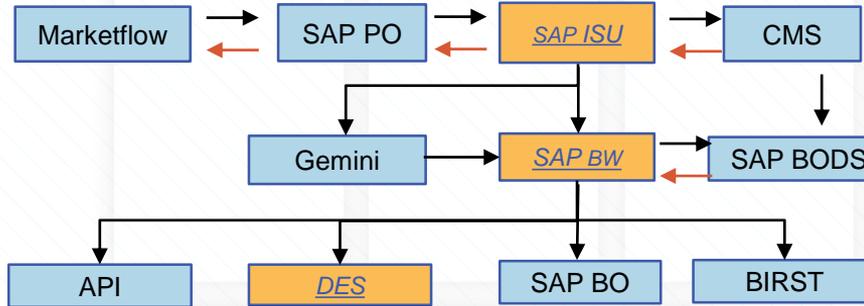
### DES:

- Screen layout changes for addition of new fields
- Change in Web proxy structures
- Data transformation for new fields to align with existing Portal screen display logic
- Data Permission matrix has to be amended with new fields for Shipper users

**SAP ISU:** Code changes to populate read indicator for all read sources to BW extractor tables

## Impacted Systems

*Impact*



## Assumptions

- Overall efforts are based on the high level analysis, the stated efforts may vary during detail design.
- No historic details required for Community view
- Market trials cost not included
- Signed off Data permission matrix will be available
- All the new details to be displayed on DES are available in BW except MAP ID and Read indicator
- MAP ID extraction and historic data load out of scope
- DES screen amendments are applicable to Shipper users only
- Historic data load for the Read indicator fields to be extracted from ISU to BW post June'19 go-live only
- Performance testing will be required using the existing PT tools
- Data cleansing and data profiling is out of scope
- MAP ID details will be migrated to ISU and extracted to BW as part of June'20 release, hence efforts not considered here

### Overall Impact

High

### Release Type

Major

### High Level Cost Estimate

50,000 to 55,000 GBP

# Option 1 - System Impact Assessment

	Reports (SAP ISU to BW)	Conversion (BW to DES proxy)	Enhancements (DES Screens)
<b>System Component:</b>	ISU to BW	BW to DES	DES
<b>Impacted Process Areas:</b>	BW Extractor and DSO changes	BW	DES Screens
<b>Complexity Level (per RICEFW item):</b>	Medium	High	High
<b>Change Description:</b>	Logic to extract Read indicator from multiple read source tables	<ul style="list-style-type: none"> <li>Code changes for DES logic for 'Read Details' screen</li> <li>Code and structure enhancement in the interface for DES screens</li> <li>Code changes to Community view</li> </ul>	<ul style="list-style-type: none"> <li>Screen layout changes</li> <li>Change in Web proxy structures</li> <li>Data transformation for new fields</li> <li>Data Permission matrix amendment or Shippers</li> </ul>

	ISU	BW	DES
<b>Test Data Prep Complexity:</b>	Medium	High	High
<b>Unit and Sys Test Complexity:</b>	Medium	High	High
<b>Pen Test Impact:</b>	Low	Low	Medium
<b>Regression Testing Coverage:</b>	Medium	High	High
<b>Performance Test Impact:</b>	N	Y	Y
<b>Market Trials:</b>	N	N	N
<b>UAT Complexity:</b>	Medium	High	High

# Option 1 - Process Impact Assessment

Process Area	Complexity	File Formats	Exceptions	External Screens	Batch Jobs	Performance Test?
SPA	n/a	n/a	n/a	n/a	n/a	n/a
<b>Metering (Reads)</b>	<b>Medium</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>
Reconciliation	n/a	n/a	n/a	n/a	n/a	n/a
Invoicing – Capacity	n/a	n/a	n/a	n/a	n/a	n/a
Invoicing – Commodity	n/a	n/a	n/a	n/a	n/a	n/a
Invoicing – Amendment	n/a	n/a	n/a	n/a	n/a	n/a
Invoicing – Other	n/a	n/a	n/a	n/a	n/a	n/a
Rolling AQ	n/a	n/a	n/a	n/a	n/a	n/a
Formula Year AQ	n/a	n/a	n/a	n/a	n/a	n/a
RGMA	n/a	n/a	n/a	n/a	n/a	n/a
DSC Service	n/a	n/a	n/a	n/a	n/a	n/a
<b>Other (BW and DES)</b>	<b>High</b>	<b>No</b>	<b>No</b>	<b>Yes</b>	<b>No</b>	<b>Yes</b>