

Enduring Solution – Stage 2 (ES-S2)

Harmonisation Working Group

Meeting 1

6 October 2009

Context – Enduring Solution Project

- ❄ ESB implemented market facing systems in December 2004
- ❄ NIE implemented interim solution in November 2007
- ❄ Enduring Solution project in NI to deliver fully dynamic retail market
 - ✧ Initial plan was to progress 11 new messages already in place in RoI
 - ✧ Recent focus is on much greater alignment
- ❄ Harmonisation project launched to bring forward harmonisation arrangements to be included within the Enduring Solution

What is Harmonisation?

- ❄ Harmonisation considered in context of:
 - ☆ Alignment with other jurisdictions
 - ☆ Focus on market operations from perspective of suppliers
 - ❄ Initially wide scope, now focused on alignment with RoI
 - ❄ Harmonisation – the objective in broad terms:
 - ☆ Common set of messages
 - ☆ Market procedures to describe consistent set of rules for supplier facing process interactions
 - ☆ Integrated governance mechanism
- To the extent that can be implemented with an acceptable impact on overall enduring solution timetable and cost**
- In place from start, to get to best short term position within ES, and then remains to ensure further convergence**

Governance

❄ Governance through:

- ❄ Harmonisation Steering Group, to provide overall direction
- ❄ Harmonisation Working Group, to go through detailed proposals within brief defined by Steering Group, and to report any unresolved issues to it

❄ Aligned governance from end 2009 also required to ensure:

- ❄ Alignment arising from project does not drift due to incremental decisions taken separately in each jurisdiction
- ❄ Further convergence around areas not fully aligned within ES

❄ Principles of that governance likely to include

- ❄ Common set of principles applying to further development
- ❄ Single change control process, possibly working in parallel in separate jurisdictions

Harmonisation Options

- ❄️ **ESSG and MOSSG considered five options for alignment**
 - ☆ Three aimed at full harmonisation, to RoI, to NI or through fresh start
 - ☆ One was aligning schema only, not processes
 - ☆ One was deferment

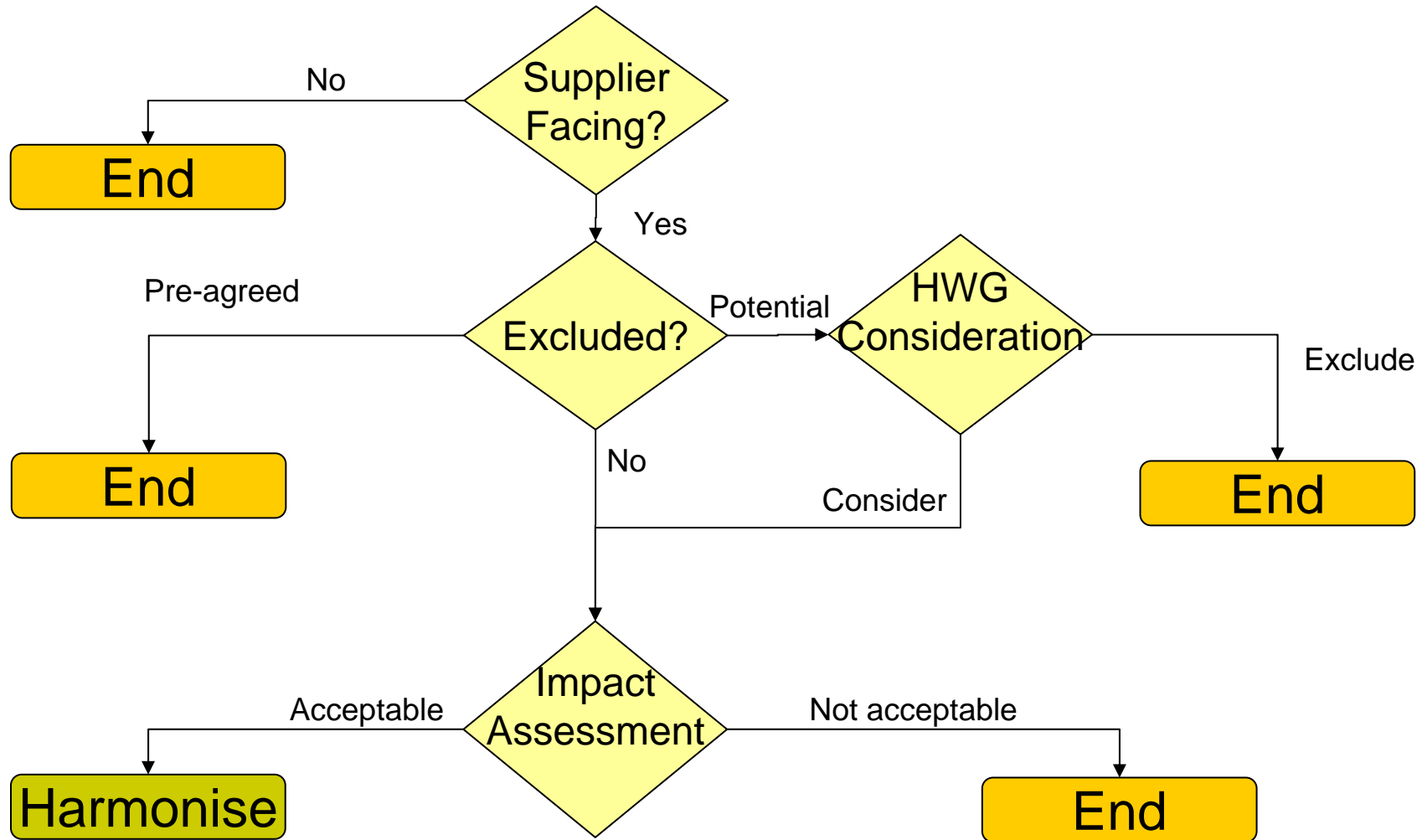
- ❄️ **Alignment will be on market messages and supplier facing processes that support them, to extent practical**

- ❄️ **General consensus on aligning to RoI**
 - ☆ Issue for incumbent suppliers, no advantage to them in change
 - ☆ Agreement that some issues will prove intractable in timeframes available

Aspiration and Approach

- ❄ A joint project has been established between NIE and ESB
- ❄ Aspiration - harmonisation bringing real benefits to suppliers
 - ✧ developed for inclusion in core ES project contract
- ❄ Principal scope is market messages and associated processes
 - ✧ alignment of technical solutions will also be considered
- ❄ Overall approach
 - ✧ Recognise existing differences between jurisdictions
 - ✧ Consider options for alignment on a case by case basis
 - ✧ Engage with appropriate stakeholders
 - ✧ Develop pragmatic outcomes – which are cost effective and efficient

Process considerations



Examples of suggested pre-agreed exclusions from harmonisation within current project

Area	NI	RoI
DUoS Tariff and Transaction Charges	Different rules and tariff structures	
Metering Thresholds	70kVA	50kVA/100kVA
Interval Metering	Half Hourly	Quarter Hourly
Meter Configurations	Different meter types and timeband configurations; removal of STOD (MD) metering in Northern Ireland	
Prepayment Meters	Keypad, customer choice, in competitive market	Token, financial hardship, not in competitive market
Meter Read Cycles	Three months	Two months
Supplier of Last Resort (except messaging)	Processes driven by differences in regulatory considerations and requirements	

Areas where inclusion in harmonisation is to be reviewed

Area	NI	RoI
New Connections	No energisation without registration	Energisation possible without registration
Fieldwork Appointments	Schedule appointment	Request appointment
Data Publication	Different data protection regimes and views on disclosure of data	
Debt Management	Processes for objection, transfer and customer tracking	Excluded from MPD
Cooling off Period	Required for domestic	Not required
Estimation at CoS	Only permitted in exceptional circumstances	Generally allowed except in certain circumstances
Supplier requested de-energisation	Prohibitions in domestic market	Generally allowed

Other areas may be identified as analysis proceeds

Examples of supplier facing processes

Area	Is it supplier facing
Messaging	Yes if to/from a Supplier
New connection Connection T&Cs MIC; MEC	No; between network provider and customer
Registration	Yes, including registration of a new connection
Customer data provision	No

Joint Arrangements with NIE and ESB

- ❄ Overall plan is to work in a cyclical manner through messages
 - ❄ Clustered in six groups
 - ❄ Three key steps – schema analysis, business process analysis, industry engagement

- ❄ Working together on schema and process alignment
 - ❄ Approximate three month timeline
 - ❄ Networks teams established and actively engaged

- ❄ Proposals will be discussed at harmonisation working group
 - ❄ Stakeholder engagement at critical points
 - ❄ Detailed plans being developed
 - ❄ Need for commitment from all involved parties to work within an acceptable impact on enduring solution procurement timetable

Working Approach

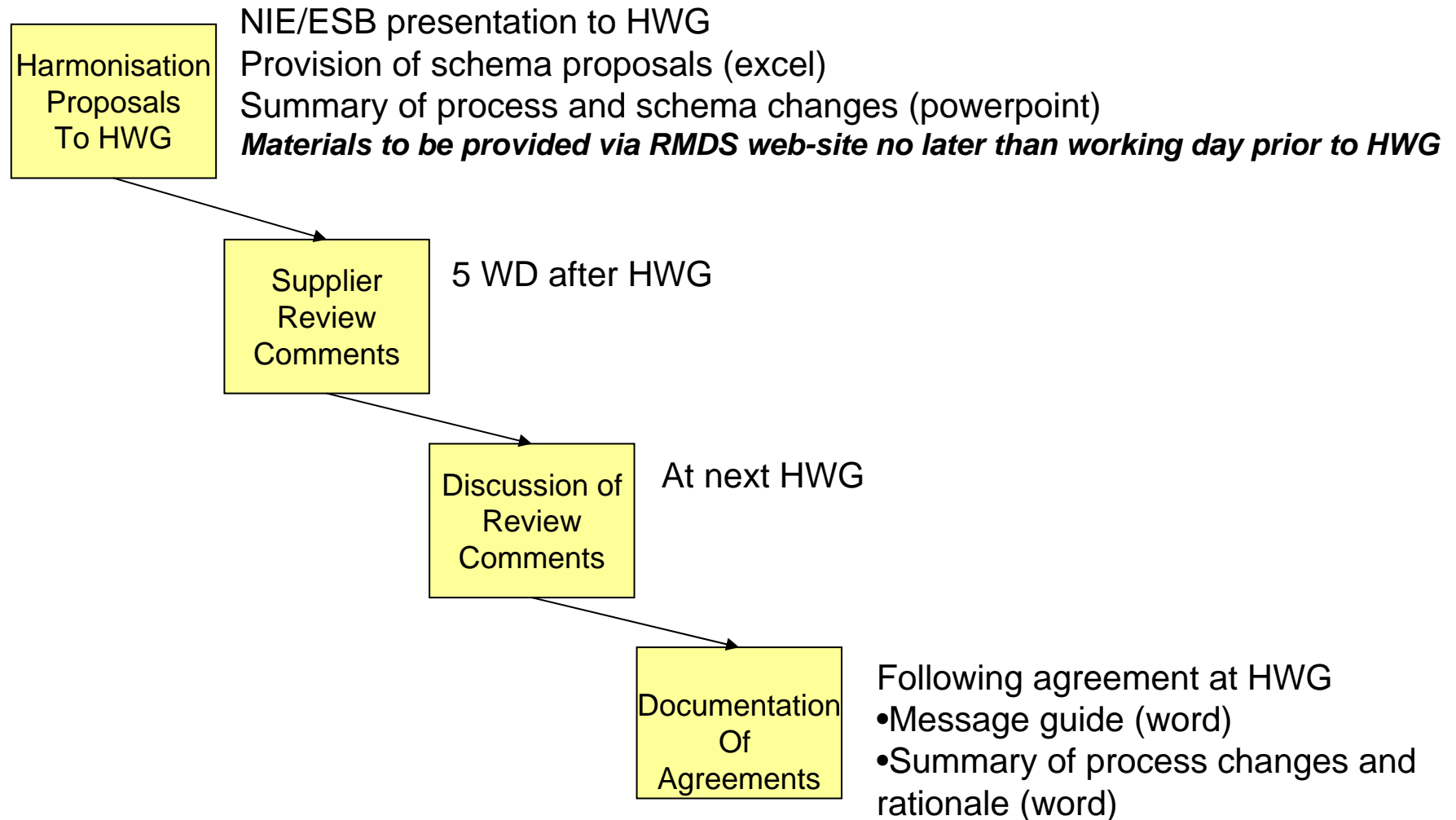
- ❄ Approach will be similar to that used in ESSG and then SIG to develop previous set of changes
 - ❄ Present topic at first meeting, discuss, identify issues for further review
 - ❄ Further comments made within agreed number of working days after first meeting
 - ❄ Second meeting reviews issues and further comments, agreement sought on way forward

Gp	Topics	Present & Discuss	Close
1	Registration	HWG 2	HWG 3
2	Objection, Cancellation, De-Registration	HWG 2	HWG 3
3	Fieldwork Requests and Responses	HWG 3	HWG 4
4	Customer Details and Meter Point Characteristics	HWG 4	HWG 5
5	Meter Reading and Meter Read Withdrawal	HWG 5	HWG 6
6	Data Aggregation, Unmetered Supplies	HWG 5	HWG 6

Provisional HWG Schedule

HWG	Date	Present & Discuss		Close	
		GP	Topic	GP	Topic
1	Today		Plan, Approach		
2	20 Oct	1	Registration		Plan, Approach
		2	Objection, Cancellation, De-Registration		
3	2 Nov	3	Fieldwork Requests and Responses	1	Registration
				2	Objection, Cancellation, De-Registration
			Contingency meeting		
4	16 Nov	4	Customer Details and Meter Point Characteristics	3	Fieldwork Requests and Responses
			Contingency meeting		
5	1 Dec	5	Meter Reading and Meter Read Withdrawal	4	Customer Details and Meter Point Characteristics
		6	Data Aggregation, Unmetered Supplies		
6	14 Dec			5	Meter Reading and Meter Read Withdrawal
				6	Data Aggregation, Unmetered Supplies

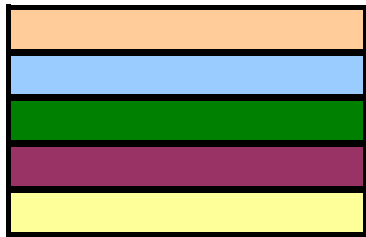
Process



Schema proposals

* Excel spreadsheets

* Describes common schema and changes in each jurisdiction



Mismatch (Business Impact)
 Mismatch (Technical Impact)
 Missing
 New NIE ES Requested Field
 Alignment Agreed

Use	req	required
	opt	optional
	reqM	required, multiple occurrence
	optM	optional, multiple occurrence
Chars	flag	boolean flag
	F	aligning to fixed (or misaligned fixed)
	V	aligning to variable (or misaligned variable)
Pattern	yes	pattern matching
	no	no pattern matching
Values	yes	predefined value list
	no	no predefined values

Sample schema proposal

ESB Message 010

Field	Use	Chars	Pattern	Value
MPRN	req	11	no	no
MPBusinessReference	req	35	no	no
SupplierMPID	req	3	no	no
SupplierUnitID	req	9F	yes	no
SSAC	req	1	yes	no
SupplyAgreementFlag	req	flag	no	no
COT_LE_Flag	req	flag	no	no
GenerationUnitAggregationCode	opt	10	no	yes
COS_ReadArrangementCode	opt	3	no	yes
COS_EstimateAcceptableFlag	opt	flag	no	no
MeterConfigurationCode	opt	10V	no	yes
TariffConfigurationCode	opt	2F	yes	no
RequiredDate	opt		Date	
Missing				
EAI_Code (NACE)	opt	5V	no	yes
SecurityQuestion	opt	2	no	yes
SecurityAnswer	opt	100	no	no
MeterReaderPassword	opt	8	no	no
DebtTransferFlag	opt	flag	no	no
MedicalEquipmentDetailsCode	opt	4	no	yes
CustomerServiceDetailsCode	opt	4F	no	yes
AppointmentId (ES)	opt	t.d.b.	t.d.b.	t.d.b.

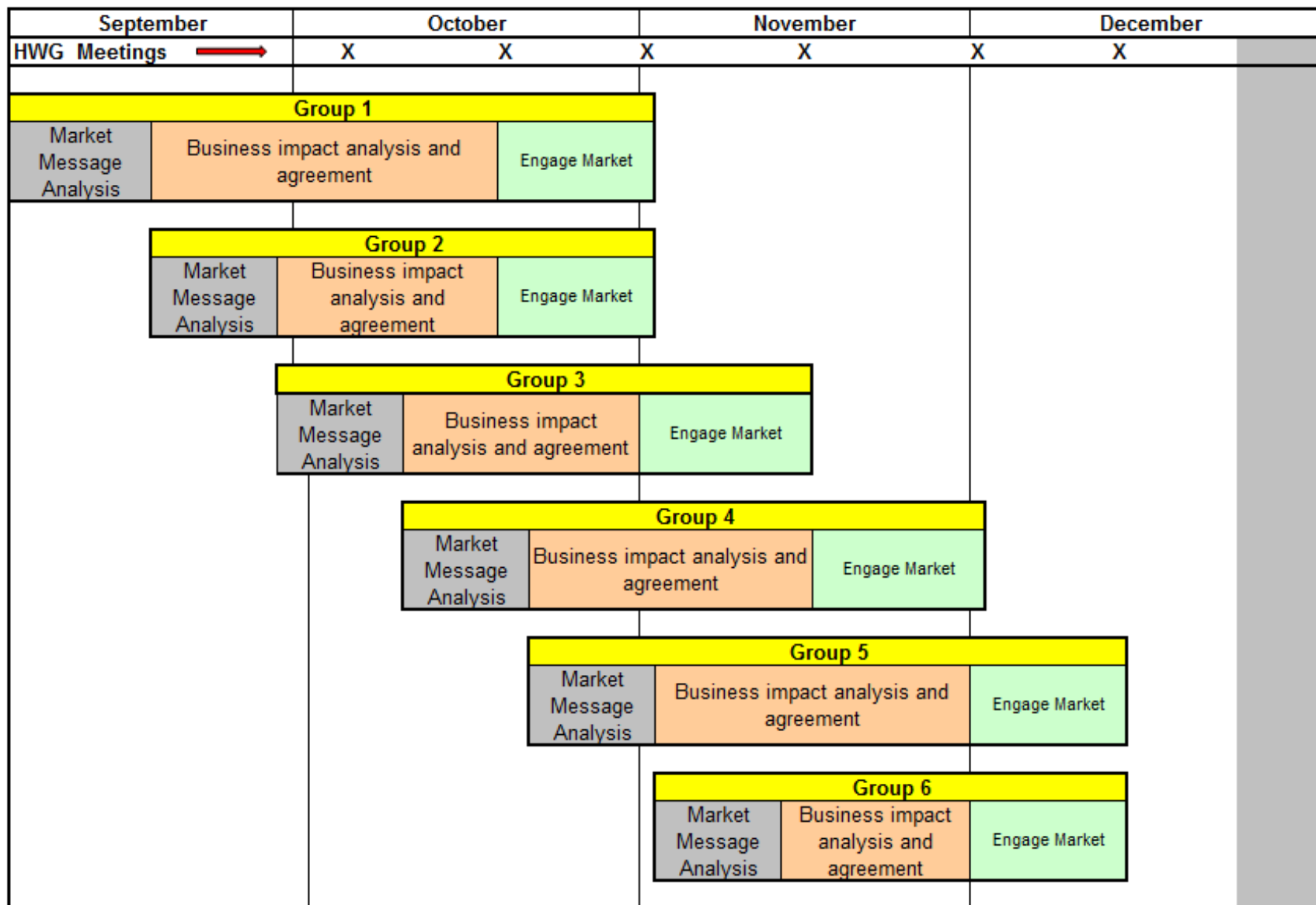
NIE Message N010

Field	Use	Chars	Pattern	Value
MPRN	req	11	no	no
MPBusinessReference	req	35	no	no
SupplierMPID	req	3	no	no
SupplierUnitID	req	9F	yes	no
SSAC	req	1	yes	no
SupplyAgreementFlag	req	flag	no	no
COT_LE_Flag	req	flag	no	no
Missing				
COS_ReadArrangementCode	opt	3	no	yes
COS_EstimateAcceptableFlag	opt	flag	no	no
MeterConfigurationCode	opt	10V	no	yes
TariffConfigurationCode	opt	2F	yes	no
RequiredDate	opt		Date	
UsageType	req	2F	no	yes
EAI_Code (SIC)	opt	5V	no	yes
SecurityQuestion	opt	2	no	yes
SecurityAnswer	opt	100	no	no
MeterReaderPassword	opt	8	no	no
DebtTransferFlag	opt	flag	no	no
MedicalEquipmentSpecialNeeds	optM	4	no	yes
CustomerServiceSpecialNeeds	optM	4V	no	yes
Appointment ID (ES)	opt	t.d.b.	t.d.b.	t.d.b.

Change commentary

Required by NIE
ESB to remove pattern check & NIE remove value list. Codes remain as is.
NIE adopt ESB schema definition
NIE adopt ESB schema definition
ESB to confirm if this field can be removed
NIE to add to schema but business impacts to be assessed prior to usage
NIE adopt ESB schema definition, merge value list
ESB to add to schema but reserved for NIE keypad use
ESB to assess busines impact
Merge value list, align format to optional 5v
ESB to add to schema but reserved for NIE use
ESB to add to schema but reserved for NIE use
ESB to add to schema but reserved for NIE use
ESB to add to schema but reserved for NIE use
Business impacts and repeating values issues
Business impacts and repeating values issues
New NIE ES field, ESB to add to schema but reserved for NIE use

Proposed Timeline



Working Arrangements

- ❄ Message by message analysis, within group structure and overall approach to align on RoI
- ❄ For each message, presentation to HWG will:
 - ☆ State whether message will be changed (existing) or adopted (new to NI)
 - ☆ State circumstances in which message used (e.g, by an extract from present MPs)
 - ☆ Present proposals for message alignment, potential to involve changes in both jurisdictions
 - ☆ Present proposals for process alignment, potential to involve changes in both jurisdictions
 - ☆ Present list of areas where alignment not achieved and state reasons

Outputs

- ❄ From harmonisation analysis (now to December 2009)
 - ✧ Message guides describing:
 - ❖ Message content and structure
 - ❖ Networks message validations (may vary by jurisdiction)
 - ✧ Documentation to support agreed changes to market procedures
 - ✧ Rationale for any items excluded from harmonisation
 - ✧ Within NI only, documentation to support instructions to SIG to develop Operational Framework consistent with HWG outputs

- ❄ Later in harmonisation (& NIE Enduring Solution) Detailed Design
 - ✧ Common set of message schema
 - ✧ Updated market procedures to describe agreed rules for supplier interactions

Technical Infrastructure

- ❄ Options for alignment to be identified
- ❄ Interaction with harmonisation options to be progressed
- ❄ Initial outcomes to be presented to later HWG, date to be determined