

# ENC Implementation Approach

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Updated Nov 2016

# ENC Implementation Approach

## Introduction

- This slidepack was first presented to the JESG on 21<sup>st</sup> October 2016
- It has been updated following subsequent discussions:
  - Comments received from JESG attendees and Code Administrators on options and assessment criteria
  - Teleconference held 3<sup>rd</sup> November to validate options and assessment criteria
  - Code Administrators have started briefing their Code Panels on Implementation options

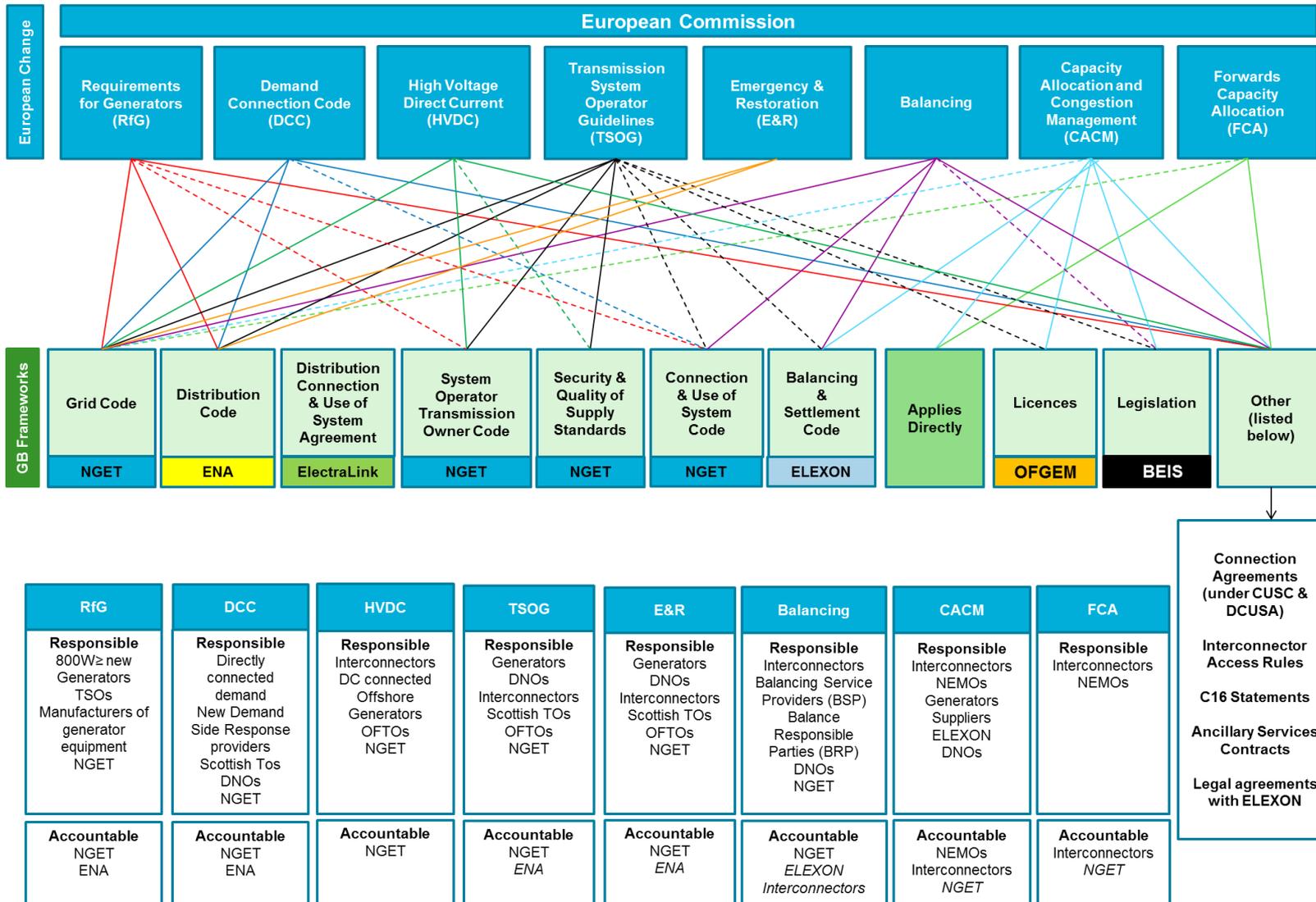
# ENC Implementation Approach

## Agenda

- Current approach
- Alternative options
- Assessment Criteria
- Next Steps

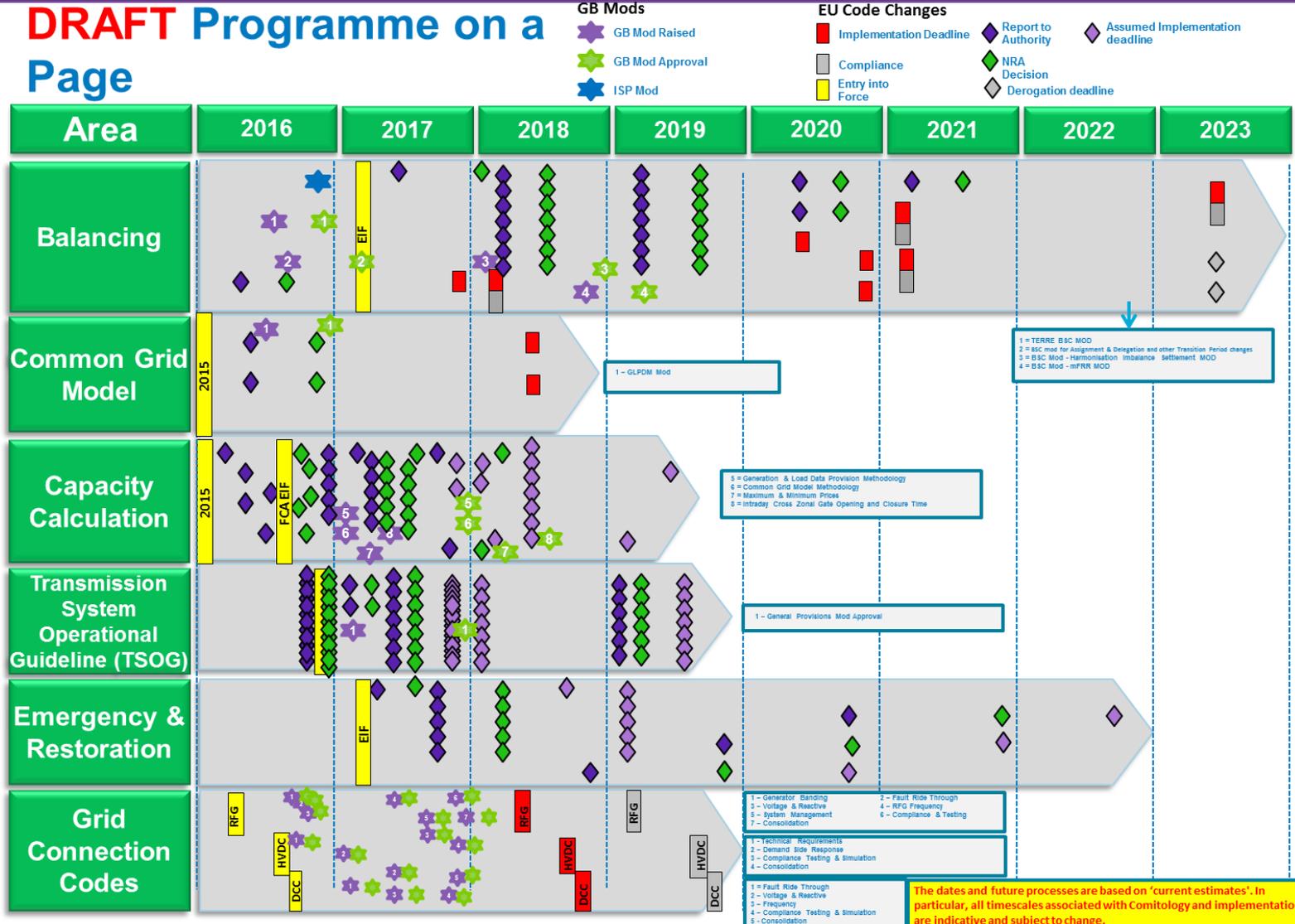
# ENC Implementation Approach

## Current Approach – Multiple Interactions to manage



# ENC Implementation Approach

## Current Approach – Many interacting deadlines



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Current Approach – Large scale change to GB frameworks

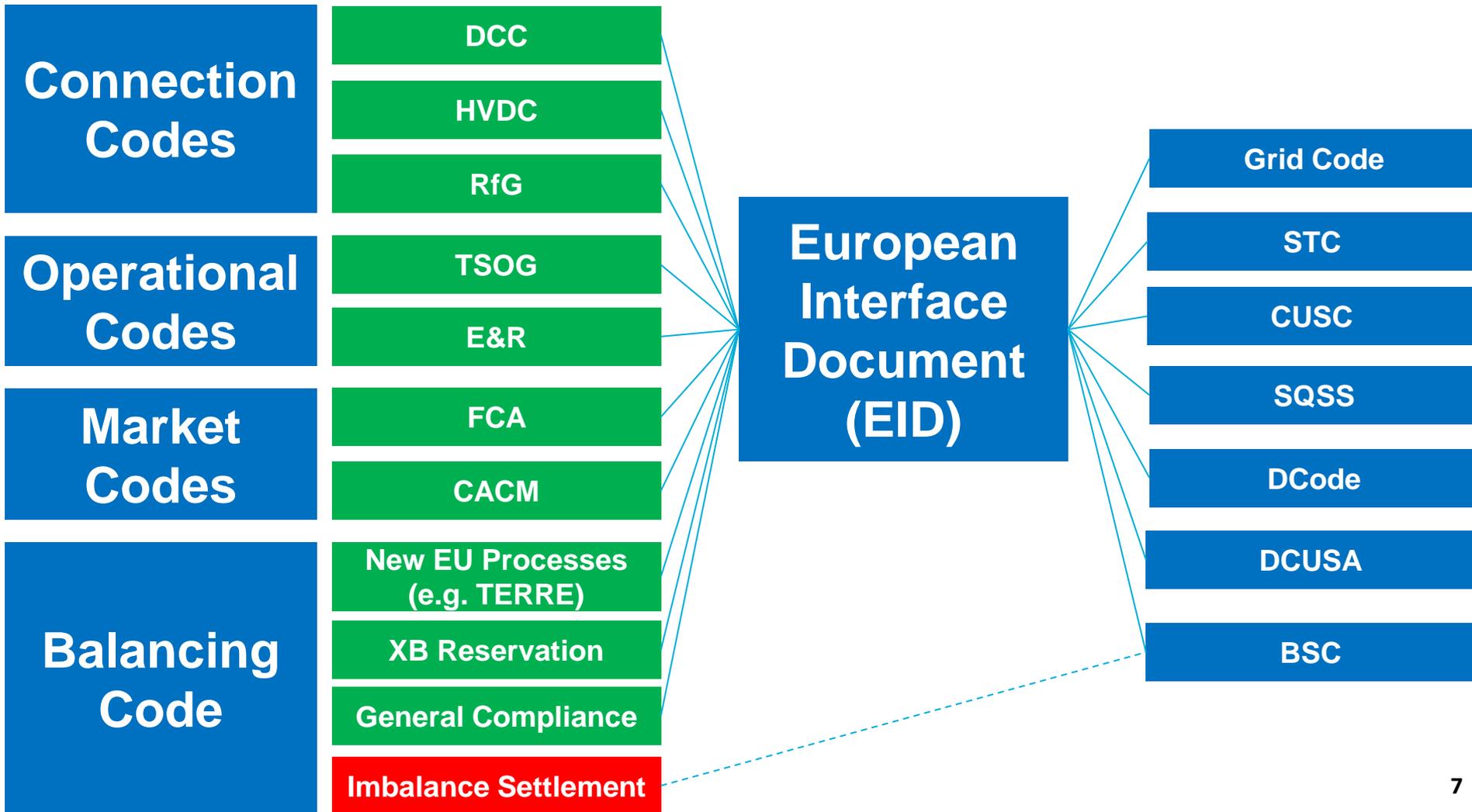
		GB Frameworks									
		Grid Code	BSC	CUSC	SQSS	I/C Access Rules	STC	Distribution Code	DCUSA	Licences	Bilateral Agreements
ENC Work Streams	BAL	High	High	Med	Low	Med	None	Low	None	Low	None
	CACM / FCA	Med	Med	Low	None	High	None	None	None	Low	None
	CGM	Med	None	None	None	None	None	Low	None	None	None
	TSOG / ER	High	Low	Med	Med	None	Med	High	None	Low	Low
	DCC / RFG / HVDC	High	None	None	None	Low	Low	High	None	Low	None

**Impact**

- High
- Med
- Low
- None

# ENC Implementation Approach

## Alternative Options – Full EID



# ENC Implementation Approach

## Alternative Options – Full EID – Pros / Cons

### ✓ **Compliance**

### ✓ **Future changes**

- ✓ Easier to Integrate methodologies published after EIF and turn areas of the ENCs on or off

### ✓ **Ease of implementation**

- ✓ ENCs without an obvious GB equivalent (e.g. CACM & FCA)
- ✓ Facilitates managing interactions between ENCs

### ✓ **Accessibility**

### ✓ **Governance**

- ✓ compatible with CGR3 & CACOP
- ✓ Reflect European governance

### ✗ **Licence changes**

- ✗ EID brought into existence via licence modifications

### ✗ **Greater Coordination required**

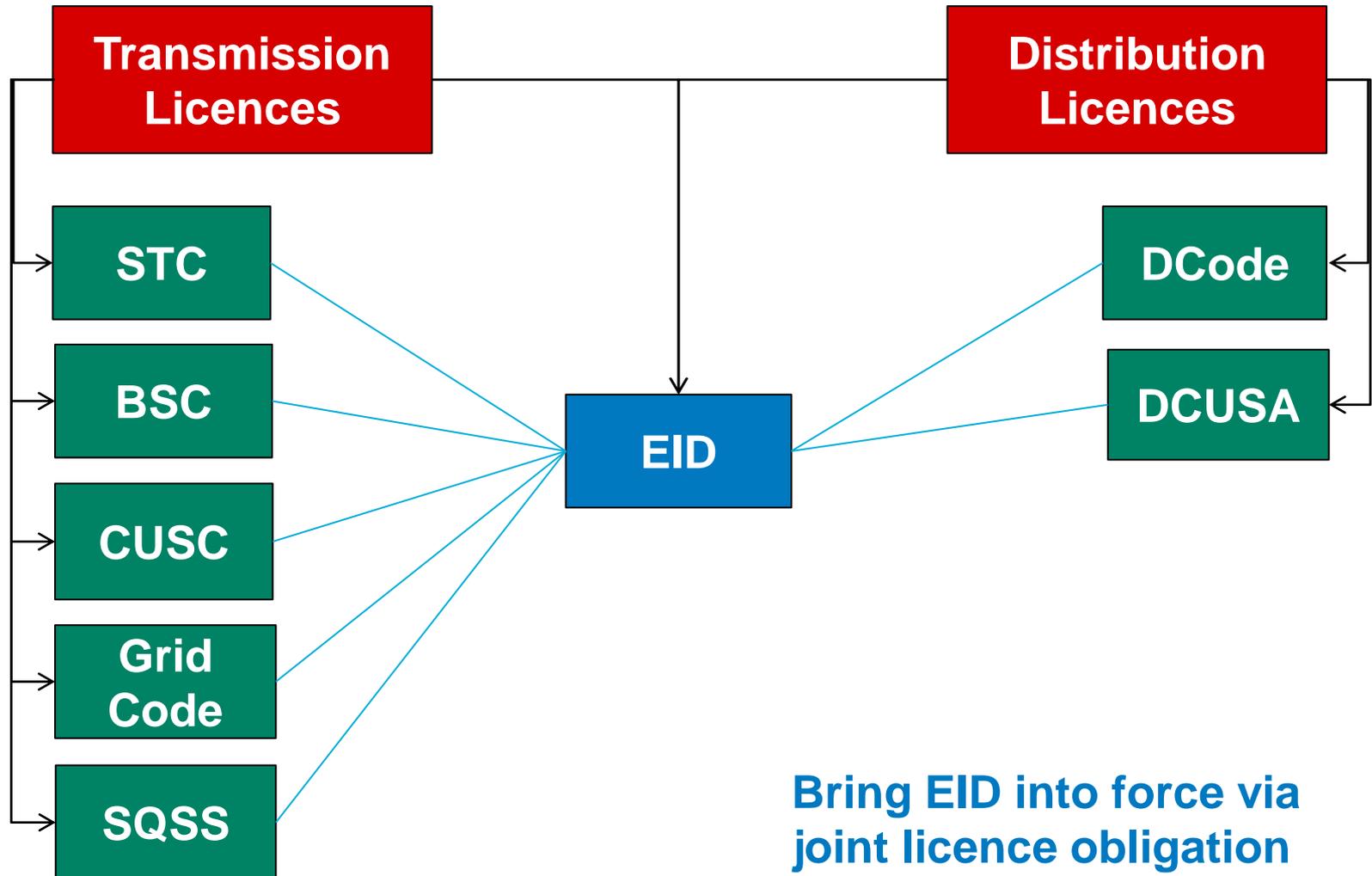
- ✗ Reference to GB codes and EID would be required when the authority makes decisions

### ✗ **GB Code changes still required**

- ✗ Some GB code changes would still be required (Imbalance Settlement)
- ✗ Cross-referencing from EID to existing GB codes would still be required

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## Alternative Options – Full EID – Framework for delivery



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## Alternative Options – Full EID – “Code” Administration

CUSC	Grid Code	STC	SQSS	DCode	DCUSA	BSC	EID
nationalgrid				ena energy networks association	ElectraLink	ELEXON	TBC

### Code Administration Code of Practice: Principle 13

“Code Administrators will ensure cross Code coordination to progress changes efficiently where modifications impact multiple Codes”

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## Alternative Options – Are there any intermediate options?

- Is there a ‘half-way house’?
- Can licence changes be avoided?
- Is there something that is easier to implement?
- Concept of an “EID-Lite”

**Current  
Approach**

**EID-Lite**

**Full EID**

# ENC Implementation Approach

## Alternative Options – EID-Lite Variants

- What could be considered as an EID-Lite?
  1. Append only relevant EID sections to corresponding GB codes as content similar
  2. Create new EID covering all new EU processes and append to only one existing GB code
  3. Append same new EID to all existing codes (i.e. the same content duplicated across the different GB codes)
  4. Incorporate most of the new EU processes into a new non-legally binding document that references to existing GB codes and EU legislation

**Current  
Approach**

**EID-Lite**

**Full EID**

# ENC Implementation Approach

## EID-Lite Option 1

- Create a new “EID” section in corresponding GB codes
  - New sections would require separate governance process from “GB” content of code (due to restrictions on changing EU law)

BSC	Grid Code	STC	CUSC	SQSS	DCode	DCUSA
EID	EID	EID	EID	EID	EID	EID

- JESG initial view: Of the proposed options, this was the most favoured by JESG attendees

**Current  
Approach**

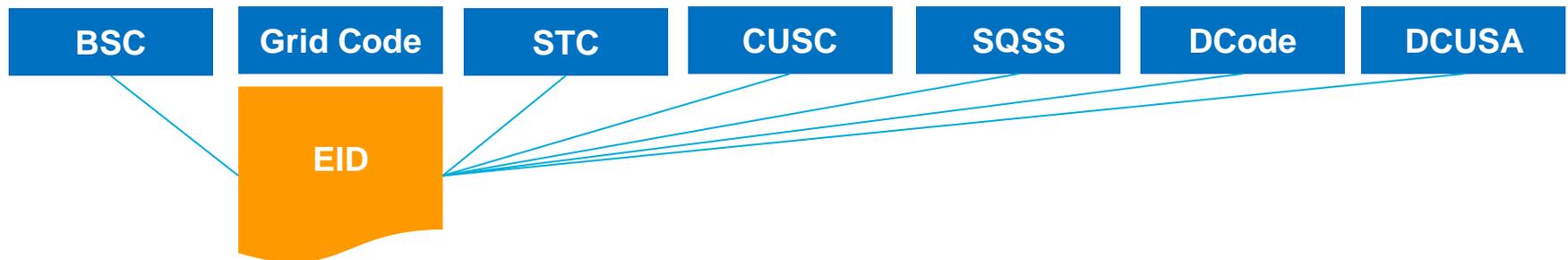
**EID-Lite  
Option 1**

**Full EID**

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## EID-Lite Option 2

- Create a new EID covering all new EU processes and append to only one existing GB code
  - New section would require separate governance and to be referenced in other GB frameworks



- JESG initial view: This option could be the most difficult to achieve.

**Current  
Approach**

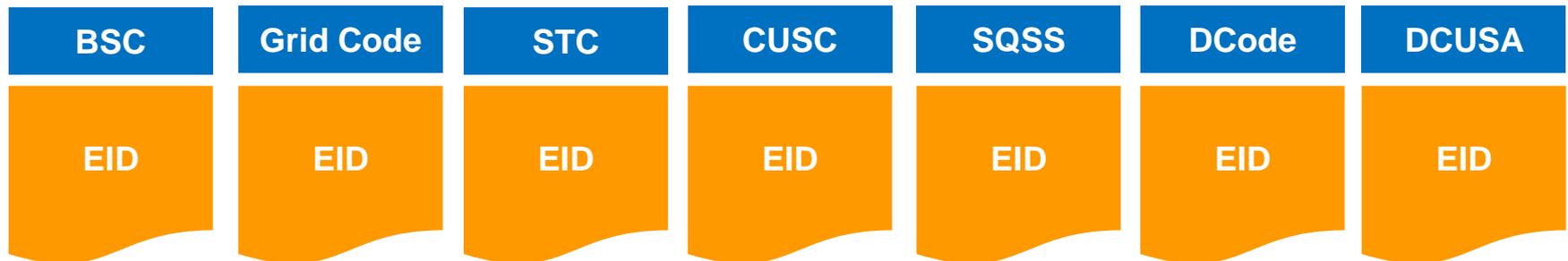
**EID-Lite  
Option 2**

**Full EID**

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## EID-Lite Option 3

- Append the same new EID to all existing codes (i.e. the same content duplicated across the different GB codes)
  - New sections would require separate governance process from “GB” content of code (due to restrictions on changing EU law)



- JESG initial view: This option could be very complicated to implement.

**Current  
Approach**

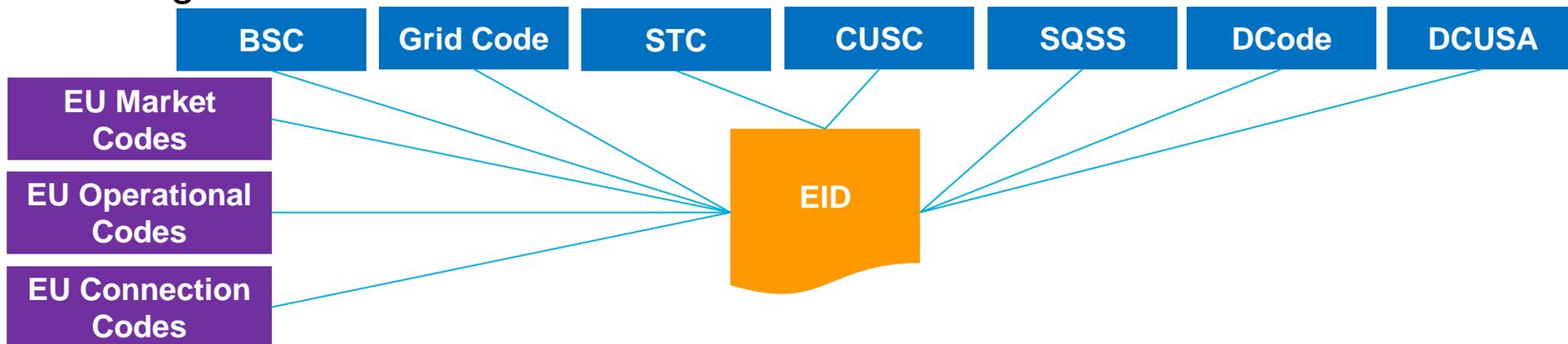
**EID-Lite  
Option 3**

**Full EID**

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## EID-Lite Option 4

- Incorporate most of the new EU processes into a new, non-legally binding document that references both existing GB codes and EU legislation



- JESG initial view: the status of such a document could cause confusion and lead to the document being ignored by GB stakeholders

**Current  
Approach**

**EID-Lite  
Option 4**

**Full EID**

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## Alternative Options – EID-Lite Variants

- Based on feedback from JESG and the validation call held on 3<sup>rd</sup> November 2016, EID-Lite options 2, 3 and 4 were ruled out
- However, stakeholders will have the option to provide comments on these options and complete the scoring matrix for them if they would like to

**Current  
Approach**

**EID-Lite 1**

**EID-Lite 2**

**EID-Lite 3**

**EID-Lite 4**

**Full EID**

# ENC Implementation Approach

## Assessment Criteria

- Assessment criteria have been developed in order to assess the different options. These are available in a scoring matrix spreadsheet.

### Ease of use

GB Stakeholders

TSO/DNOs

Additional documents required

Guidance notes required

### Governance & Licence

Changes required

Consistency across users

Ease of future changes

Code governance direction of travel

### Timescales

Re-work

All ENCs follow same implementation approach

Appropriate timescales

### Implementation & Compliance

GB Compliance demonstration

Coordination of changes

Ability to undo changes

# ENC Implementation Approach

## Next Steps

- Code Administrators continue to brief Code Panels and highlight opportunity for Panels to respond
- Next JESG on 23<sup>rd</sup> November will be used as a further opportunity to discuss options and scoring
- Scoring matrix provided – please submit your comments and completed matrix by 7<sup>th</sup> December 2016
- Validate scoring at JESG on 13<sup>th</sup> December and discuss next steps