

Delivering Nuclear New Build Readiness

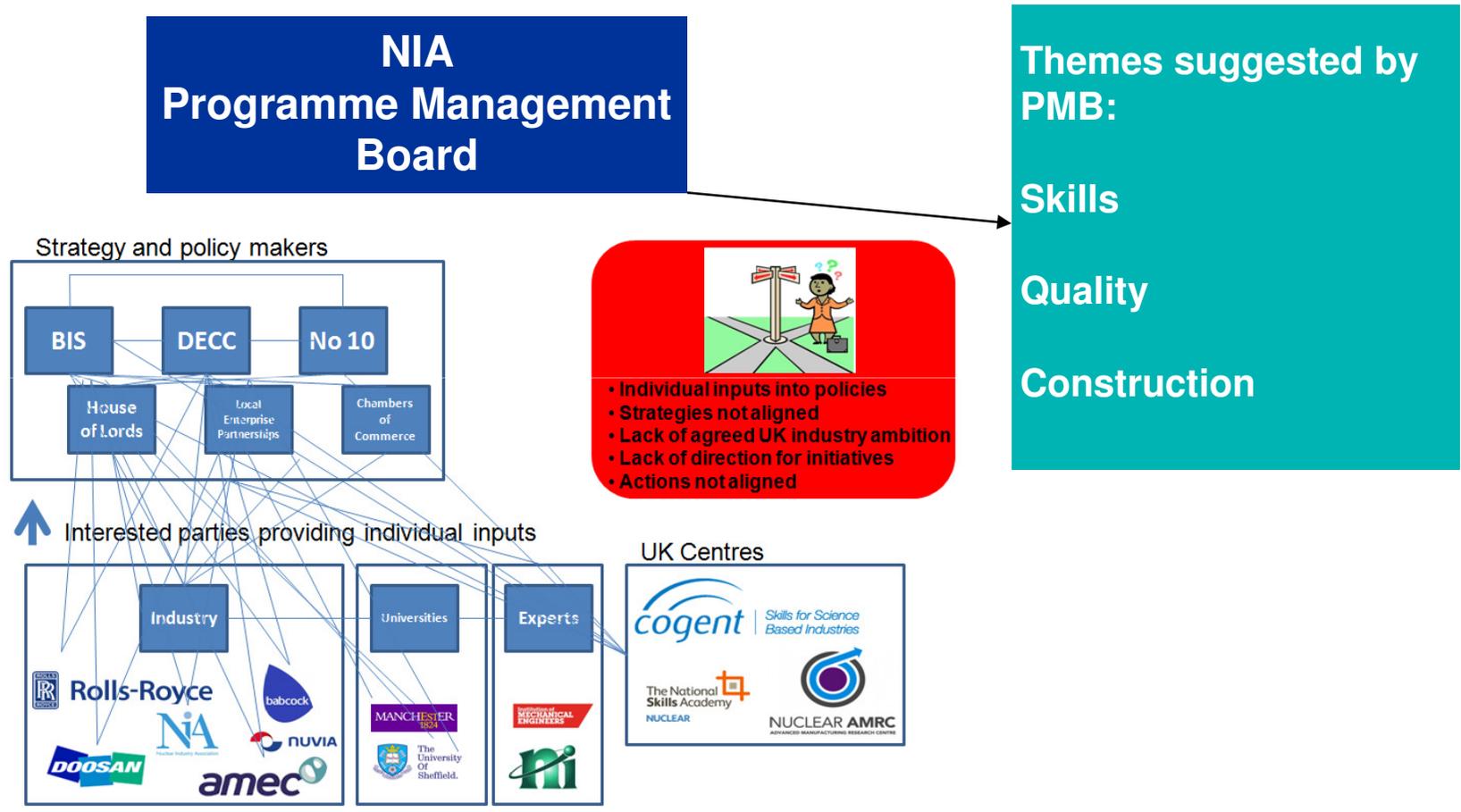


Background

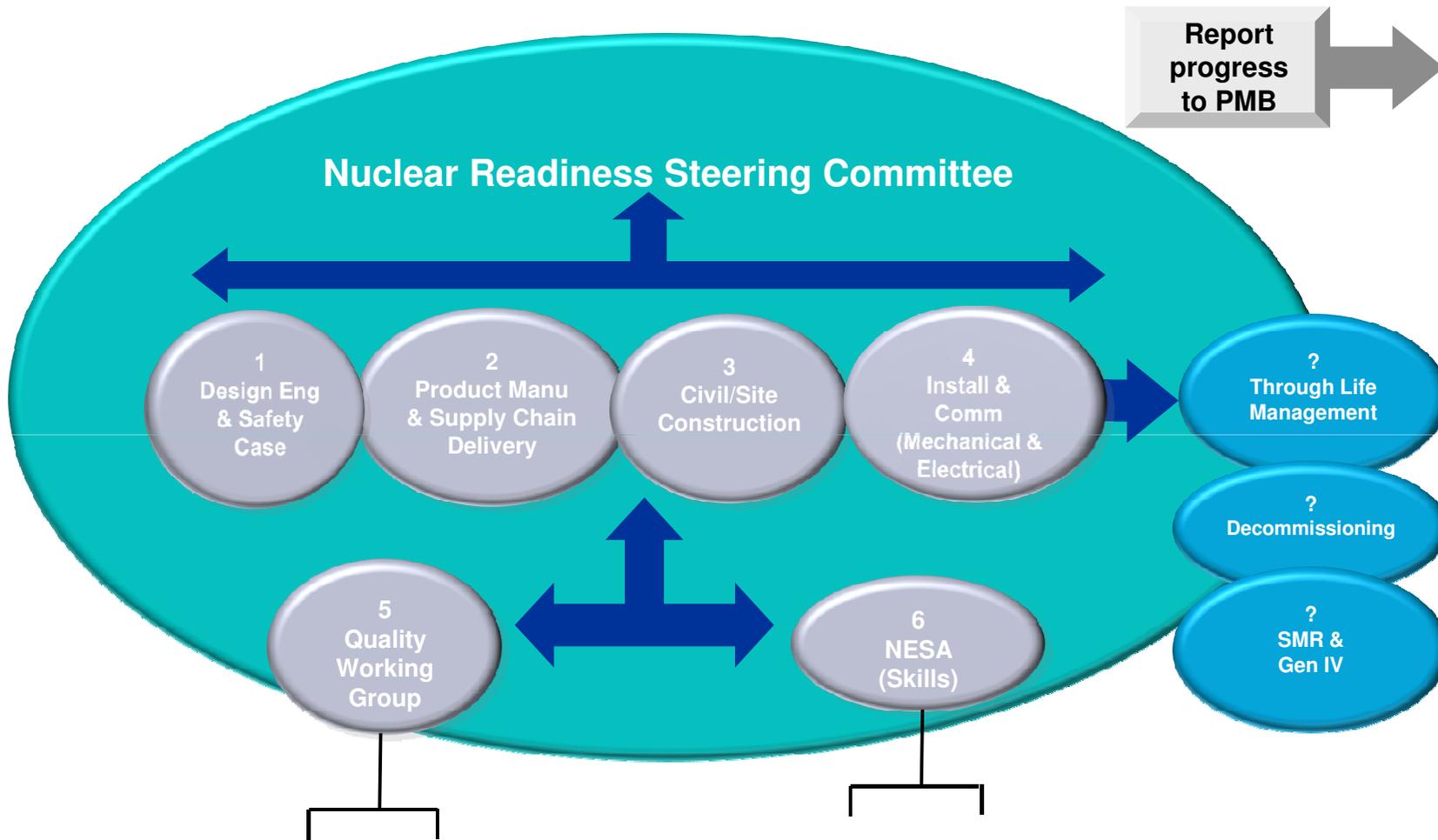
- Through previous discussion the role of the PMB has been clarified, with delivery against the following workstreams:
 - Skills
 - Quality
 - Construction
- Discussions with the NIA and Government determined that the Rolls-Royce process could be used and be advantageous at an industry level. This presentation is a result of that discussion.
- This presentation looks to explain how the framework could be used in a wider context with industry working together to collaborate and delivery nuclear readiness.

Note: In parallel Government's Supply Chain Action Plan is being developed and whilst currently outside of this framework could be incorporated.

The current environment

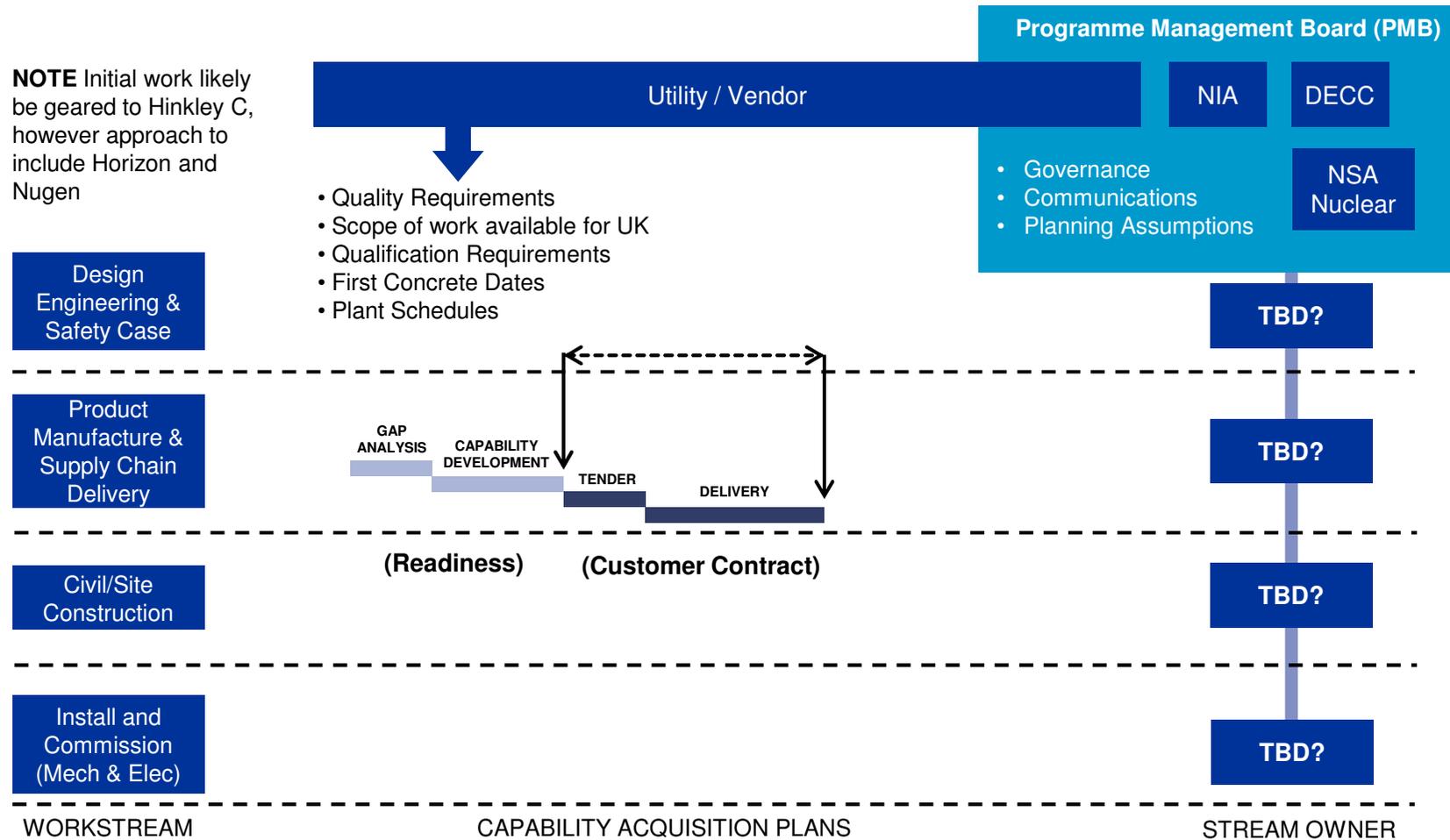


The structure to deliver readiness



The process for UK nuclear supply chain readiness

NOTE Initial work likely be geared to Hinkley C, however approach to include Horizon and Nugen



Expectations of the Workstream Owners ...

- Led by Supplier Organisations
- Co-ordinate the support required
- Gain inputs as required from relevant source data (existing)
- Incorporate 'lessons learnt' from other industries
- Agree a robust baseline position
- Identify gaps in the current state and a programme of work required to fill gaps
- Quarterly report into the Steering Committee
- The following is a 'starter for ten' for workstream owners to make best use of existing data, organisations and bodies rather than create new ones.

Directional Help for Work Stream Owners...

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- What relevant work has been done already....
 - By who, when and where to find
- What relevant work is on going today....
 - By who, where and what is the output and when will it be delivered
- What further work is required...
 - By who, when will it start



What relevant work has been done already....

Organisation	Title	Design Engineering and Safety case	Product Manufacture & Supply Chain Delivery	Site Construction	Installation and Commissioning
IBM Business Consulting Services	Capability and capacity - UK and global supply chains to support a new nuclear build programme in the UK				
NSA Nuclear	Established by employers as the lead strategic skills body for nuclear, works collaboratively with key partners as Chair of NESA				
NIA	UK capability to deliver a new nuclear build programme (2008)				
NAMTEC	Supply Chain for a UK Nuclear New Build Programme (2008)				
House of Commons	Innovation, Universities, Science and Skills Committee - Engineering: turning ideas into reality (2009)				
Cogent	Civil Nuclear Workforce Next Generation skills for New Build Nuclear Assurance: Skills for Nuclear Defence				
University of Birmingham	The future of the Nuclear Energy in the UK				
NIA	Essential Guide to the Supply Chain				
Dalton Institute	Northern Way Nuclear Supply Chain development				
Institution of Civil Engineers	Lessons learnt from Plant Construction				

What relevant work is on going today....

Organisation	Title	Design Engineering and Safety case	Product Manufacture & Supply Chain Delivery	Site Construction	Installation and Commissioning
NESA (CSkills, ECITB, Cogent, NSA Nuclear, Semta, DECC, BIS)	To develop and refine labour market shortages. NESA members to develop and implement skills solutions to address issues identified.				
NIA	Capability Report Autumn 2012				
Rolls-Royce	Working Group - nuclear quality and equipment qualification issues.				
NIG	Industrial Vision Report Autumn 2012				
HMG	To continue to work on export control service				
WNA	Global Supply Chain and Opportunities				
Construction Excellence Nuclear Task Group	Addressing the UK to undertake all elements of building and construction				
NIA	Exploring the potential for a construction forum				
NIA	Essential Guide to the Supply Chain				

What further work is required...

Organisation	Title	Design Engineering and Safety case	Product Manufacture & Supply Chain Delivery	Site Construction	Installation and Commissioning
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TBD by relevant workstream owners and if agreed potentially inputs from the Government Supply Chain Action Plan.

Product Manufacture & Supply Chain Delivery - Example

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Work done....

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Work on-going....

Organisation	Title
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NIA	Capability Report Autumn 2012
Rolls-Royce	Working Group - nuclear quality and equipment qualification issues.
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Required work....

TBA

Conclusion

- Risk that UK may not be ready to compete and deliver the UK ambition effectively in the current environment
- Leadership and clear direction is required to make this happen
- We are not starting from a blank sheet of paper, a lot of work exists today that needs to be assessed in order to understand the baseline for 'current state'
- Endorsement Requested:
 - The nuclear readiness actions are subsumed into a coherent programme
 - Appoint a supplier led steering committee to drive the programme and report to the Programme Management Board