3.15.2.01 Technology Pull-Through Stage 1 Template

Programme	Technology Pull-Through	**Template**	TPT Stage 1 2019/20 Guidelines
Revision:	V1.3	**Date:**	07/03/2018

General Guidelines

- This proposal should provide a brief synopsis of the proposed project to gain approval to Stage 2 submission.
- A maximum of one paragraph per field will be accepted with the total document not to exceed two pages in length. Submissions exceeding this limit will be discarded.
- Extensive use of pictures is discouraged at this stage, however use of URLs and reference to existing literature may be beneficial.
- Project proposals can last for an initial maximum duration of 12 months.
- The submission deadline is Sunday 14th October 2018 at 11:59pm. Submissions received after this time will be discarded.

Q1 - Technical background

- Brief description of the research context in which the technology is being developed.
- Describe prior and current research activity that led the technology to the current readiness level.
- Include academic research partners (if any).

Q2 - Technology overview

- Brief outline of the technology, including its current level of development.
- Define the benefit that the technology would potentially bring specifically to the field of composites.
- Outline the challenges to further development.

Q3 - Supporting partners

- List the industrial partners that have supported the technology to date (if any).
- Specify the type of support received (in kind contribution, letter of support, funding, etc).

Q4 - Background IP

- Background IP can include patent rights, design rights, utility models, rights in computer software, database rights, moral rights, copyright, rights in inventions, rights in know-how, confidential information and trade secrets and unfair competition rights
- If patents are pending / granted, explicitly state application numbers, status, etc.

Q5 - TRL assessment

- Use a fair assessment substantiated by evidence to state the current TRL of the technology.

Guidelines to complete the 3.15.2.01 Technology Pull-Through Stage 1 Template

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Q5 - TRL assessment

- Use the same process to predict the expected TRL of the technology at completion of the project.
- During the selection process, priority will be given to those technologies already at TRL3 or above.
- The NASA TRL definition may be used for reference: https://www.nasa.gov/pdf/458490main_TRL_Definitions.pdf

Q6 - Research activities proposed

- List the main activities expected to be carried out during the project.
- List the main objectives and highlight any main risks.
- Limit the project scope to the first 12 months only (April 2019 to March 2020).
- Detailed list of planned tasks, deliverables, risks and mitigations are not needed at this stage, but will be required in Stage 2.

Q7 - NCC support

- Describe the NCC competencies and capabilities required to support the research activities proposed.
- List any equipment you expect to use at the NCC.

Q8 - Path to industrial uptake

- Identify the format in which the technology is expected to be commercialised
- This could be a product, licence, training offering, equipment, process, etc.
- Outline a path to develop the technology to such point, identifying a timeline for the development; this may go beyond the proposed 12-month project.

Q9 - Industrial application area and technology end goal

- Describe briefly potential industrial applications of the technology
- Describe what needs have been identified to unblock its commercialisation.

Q10 - Benefits for the stakeholders

- Outline the expected outcomes of the successful completion of the proposed 12-month project.
- State expected benefits and opportunities for the NCC, the University and the UK Composite Industry.

Q11 - Proposal value

- Provide a high-level indication of the expected value of this proposal.
- Limit the project scope and cost to the first 12 months only (April 2019 to March 2020).
- The predicted cost should cover both university and NCC costs for the duration of the project.
- There is no cap on proposal values however project costs to date range from £5,000 to £200,000.
- Proposals will be scored based on value for money.
- Detailed breakdown of costs, resources, materials and equipment are not needed at this stage, but will be required in Stage 2.