Question 1: Are you interested in hardware, firmware, or software Trojans?
Answer 1: This Microsystems Exploration topic focuses on hardware Trojans, however a hardware Trojan can be used to deploy modified firmware. A hardware Trojan may compromise the security of a system to enable a software based attack.

Question 2: When is industry day?
Answer 2: Given the expedited timeline for this Microsystems Exploration topic, an industry day is not planned.

Question 3: What is the page limit for the proposal? And does that exclude references, summary slide and table of contents? Does the page limit include deliverables and milestones, or is that considered an additional attachment?
Answer 3: DARPA-PA-19-04, the overarching announcement, has seven attachments that are required templates for full proposals. Please refer to that announcement for specific proposal requirements for replying to the SHEATH Microsystems Exploration topic.

Updates as of 8/2/2019

Question 4: Are proposers allowed to submit multiple proposals? Can multiple proposals from the same proposer be selected for award?
Answer 4: Yes, proposers are allowed to submit multiple proposals and multiple proposals from the same proposers can be selected for award.

Question 5: Are novel testing methods that are capable of detecting the presence of unexpected components on a fully-populated, un-powered PCB within the scope of this program, assuming the testing is performed by a trusted system assembler (or end-user) as one of the final steps before operational deployment?
Answer 5: Any proposed methods, including unpowered PCB approaches, should sufficiently address the objective/scope of the μE as called out in section B of Solicitation No. DARPA-PA-19-04-01 Microsystems Exploration Topic (μE) Safeguards against Hidden Effects and Anomalous Trojans in Hardware (SHEATH).

Question 6: Can we leverage the results and technology developed under another DARPA program (with permission from the program manager)?
Answer 6: Yes.

Question 7: Per the instructions in the ‘Volume 1: Technical and Management Volume Template of DARPA-PA-19-04,’ the Section 5. Task Description Document (TDD) is included in the 8 page limit: The Technical and Management Volume shall not exceed a maximum of 8 pages. However, the ‘Attachment 1: Task Description Document’ infers that the Section 5. Task Description Document (TDD) is not included in the 8 page limit: “[Instructions: Use of this template is encouraged. There is no page limit to this template. Instructional text may be deleted...”
Answer 7: The Section 5. Task Description Document should not be included in the 8 page proposal limit. An amendment to the Volume 1: Technical and Management Volume Template will be made to
address this. The Attachment 1. Task Description Document will remain unchanged and does not have a page limitation.

Question 8: Is an effort to categorize PCB vulnerabilities and develop attack scenarios in scope within this BAA?

Answer 8: Characterizing PCB vulnerabilities as it relates to the μE goals is permissible. Any proposed work should sufficiently address the objective/scope of the μE as called out in section B.