VI MATERIAL CONTROL

NOTE – ALL QUESTIONS CODED PRIORITY "A'

1. **Is traceability maintained from the material to the material certification test report and other required Objective Quality Evidence (OQE)?** **Yes ☐ No ☐ N/A☐**

2. **Does the contractor have written procedures that implement material control requirements?** **Yes ☐ No ☐**

3. **Are material traceability codes permanently applied to the material and annotated on test reports?** **Yes ☐ No ☐ N/A☐**

4. **When heat traceability is not possible due to manufacturing processes (e.g. continuous pour operations), is lot traceability provided as defined in the applicable material specification and, when applicable, as further defined in the contract/purchase order?** **Yes ☐ No ☐ N/A☐**

5. **Brazing and welding filler materials are not permanently . marked. Are filler materials controlled up to the point of consumption?** **Yes ☐ No ☐ N/A☐**

6. **Is traceability maintained through all process operations, including any subcontracted operations, to the finished components?** **Yes ☐ No ☐ N/A☐**

PROCUREMENT/RECEIPT INSPECTION:

7. **Do purchase orders for raw material specify that the material be traceable to material certification test reports?** **Yes ☐ No ☐ N/A☐**

8. **Are certification data requirements invoked by the prime contractor also invoked on all subcontractors supplying Level 1 material?** **Yes ☐ No ☐ N/A☐**

Does the contractor's receipt inspection include, as a minimum, the following:

9. **Verification of traceability markings?** **Yes ☐ No ☐ N/A☐**

10. Does the supplier perform any identity testing? Yes ☐ No ☐ N/A☐

11. Verification that certification test reports are legible and complete? Yes ☐ No ☐ N/A☐

12. Verification of the contents of certification test reports? Yes ☐ No ☐ N/A☐

MATERIAL HANDLING:

13. Are all the raw materials, designated for either Level 1 or SubSafe items, marked with a unique traceability number? Yes ☐ No ☐ N/A☐

14a. Are the stored raw materials requiring traceability segregated to preclude intermingling with materials not requiring traceability? Yes ☐ No ☐ N/A☐

14b. Does the supplier segregate raw materials of different alloys and material conditions to prevent commingling? Yes ☐ No ☐ N/A☐

15. Are traceability markings properly maintained when they need to be removed by a manufacturing or fabrication process? Yes ☐ No ☐ N/A☐

16. Does the contractor's material control process include requirements for traceability of subcontracted operations? Yes ☐ No ☐ N/A☐

17. If such operations would remove traceability markings, does the contractor's purchase or work orders specify a method and marking location for remarking? Yes ☐ No ☐ N/A☐

18. Is the inspection status of all material in process readily determinable at all times during storage and processing? Yes ☐ No ☐

19. Does the supplier's material control system account for the number of pieces manufactured, tested, scrapped and rejected? Yes ☐ No ☐

20. Are work instructions for material handling and storage available and in use to assure adequate protection of the product to prevent loss, damage, deterioration, degradation and substitution? Yes ☐ No ☐

21. Are periodic inspections performed to assure compliance to work instructions for handling and storage? Yes ☐ No ☐

22. Are shelf life, age sensitive and/or environmentally sensitive materials identified and controlled? Yes ☐ No ☐ N/A ☐

23a. Is material inspected in accordance with a specified sampling plan(s)? Yes ☐ No ☐

23b. Does the manufacturer elect to use Statistical Process Control (SPC) to assure product quality in lieu of the above attribute sampling plan? Yes ☐ No ☐ N/A ☐

24. Does all data concerning material verification (chemical and mechanical properties), traceability (material certifications to material marking) and Non-Destructive Test (NDT) certification meet requirements for material inspected 100%? Yes ☐ No ☐ N/A ☐

25a. Are the certification test reports and copies of the test reports 100% inspected for completeness and legibility? Yes ☐ No ☐ N/A ☐

25b. Does the supplier's procedure require an original mill testing lab certifications? Yes ☐ No ☐ N/A ☐

26a. Are all metallic materials 100% inspected for traceability markings and that the markings are legible? Yes ☐ No ☐ N/A ☐

26b. Are both the quantitative chemical and mechanical analysis of material traceable to its heat identification? Yes ☐ No ☐ N/A ☐

27. Does the contractor properly reidentify and recertify material when the material is subjected to a process which alters its properties? Yes ☐ No ☐

28. Does the material certification data forwarded by the manufacturer contain a signed certification from an authorized representative? Yes ☐ No ☐

MATERIAL MARKING FOR TRACEABILITY & IDENTIFICATION

In addition to the marking requirements on applicable drawings and/or specifications, marking with traceability code or heat number is required and is to be verified.

29. **Does the contractor have a procedure for maintaining traceability markings for items that are too small to be permanently marked?** Yes ☐ No ☐ N/A☐

30. **Traceability markings shall be maintained through assembly and, whenever possible, shall be visible after assembly. For items where the marking is not visible after assembly, does the contractor have a procedure (such as securing a permanent and/or durable tag to the item or use of an assembly record) to the item identifying the part number, piece number, traceability number and the location of the permanent mark?** Yes ☐ No ☐ N/A☐

31. **Does the contractor's material identification system require items to be deemed nonconforming when traceability markings are lost?** Yes ☐ No ☐ N/A☐

32. **When traceability markings are lost, is a procedure in place to re-establish material control, including obtaining a waiver from the procuring activity or its technical engineering agent?** Yes ☐ No ☐ N/A☐

Additional comments/concerns: