

**Attachment 1: Questions and Answers**

**Q1:** Will the Industry Day presentation be available electronically for those unable to attend the show physically?

**A1:** The slides used during the Mission Systems and Operation Contract (MSOC) Industry Day presentation are available on the MSOC Procurement website: <http://procurement.jsc.nasa.gov/msoc/>

**Q2:** Do you recommend vendors to attend the MSOC Industry Day?

**A2:** Yes.

**Q3:** How long will it take to receive the username and password for access to the Technical Documents Technical Library link?

**A3:** Upon successful review of the information required for access to the Technical Library an email is sent to the requestor with a username and password. This process normally takes one or two business days.

**Q4:** How will the teleconferencing be hosted for the one-on-ones (ie: Skype for Business, Webex, etc.)?

**A4:** Companies interested in a teleconference provided a contact number for the teleconference during their registration for the One-on-One meetings. There was no multimedia or presentation capability provided during the teleconference (i.e. we did not use Skype for Business, Webex, etc.).

**Q5:** Will vendors be able to choose who they will speak to at Johnson Space Center (JSC) for the one-on-one meetings? Will we be speaking to a panel or individual?

**A5:** Vendors will not be able to choose who they will speak to at JSC for the one-on-one meetings. A panel format is used during One-on-One meetings.

**Q6:** Did you or any of the other JSC employees need any additional information about my company prior to Industry Day?

**A6:** Interested parties are not required to provide any additional information about their companies prior to Industry Day, beyond the registration information requested in the Industry Day Synopsis. However, industry is requested to provide information as requested in the three MSOC Request for Information (RFI) notifications (Basic RFI, Partnership RFI, and Organizational Conflict Of Interest (OCI) RFI). All three of these RFI's are available in the RFI section of the MSOC Procurement website.

**Q7:** We noticed that the MSOC requirement includes cybersecurity requirements. Will there be an opportunity for offsite security operations firms to compete or will companies be expected to place cyber/IA personnel on site?

**A7:** This contract strategy has yet to be determined.

**Q8:** The MSOC RFI seems to indicate that NSOC will be split and that the SVMF will be consolidated into the FDOC contract, but it isn't completely clear. Is this the case?

**A8:** The MSOC RFI states: *"NASA/JSC is planning to combine the contract requirements of the Facilities Development and Operations Contract (FDOC), contract number NNJ10HD46C and the Space Vehicle Mockup Facility (SVMF) requirements of contract NNJ10HD35C, the Neutral Buoyancy Laboratory/SVMF Contract (NSOC)."*

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**Q9:** If the NBL scope that is currently in NSOC is not to be part of MSOC, then where will it be placed?

**A9:** This question is outside the scope of the MSOC acquisition.

**Q10:** Are you considering making the NBL requirement a small business set aside or are you considering combining it with another contract?

**A10:** This question is outside the scope of the MSOC acquisition.

**Q11:** A question has come up in our process to submit a response to the MSOC RFI. The synopsis reads:

“9. A list of contracts covering the past three years with emphasis on work performed on a Federal installation. Please provide contract numbers, if your firm was a prime or subcontractor, contract type, dollar value of each procurement, and point of contact (address and phone number). If work was performed as a subcontractor, please indicate percentage of work/subcontract dollar value.”

Some of our folks are interpreting this as meaning “all” contracts over the past three years while others are suggesting it means significant or generally applicable ones. Can you provide guidance?

**A11:** The intent of question 9 is to include all contracts over the past three years.

**Q12:** Can the Government provide information on the MSOC procurement schedule?

**A12:** Because we are early in the procurement process, the Government is unable to address this question at this time. Please continue to monitor the MSOC Procurement website, as additional information will be provided as it becomes available.

**Q13:** Can the Government provide information on the expected MSOC contract type?

**A13:** Because we are early in the procurement process, the Government is unable to address this question at this time. Please continue to monitor the MSOC Procurement website, as additional information will be provided as it becomes available.

**Q14:** Can the Government provide information on the expected Period of Performance of MSOC?

**A14:** Because we are early in the procurement process, the Government is unable to address this question at this time. Please continue to monitor the MSOC Procurement website, as additional information will be provided as it becomes available.

**Q15:** Can the Government provide information on the expected MSOC Small Business Goals?

**A15:** Because we are early in the procurement process, the Government is unable to address this question at this time. Please continue to monitor the MSOC Procurement website, as additional information will be provided as it becomes available. The current FDOC and NSOC Small Business goals are as follows:  
FDOC – 25%, NSOC – 35.3%

**Q16:** Has the Government thought about any potential Organizational Conflict of Interest (OCI) concerns for the MSOC acquisition?

**A16:** The Government released an OCI RFI on November 2 requesting information from industry on OCI thoughts or concerns. The OCI RFI released contains the currently identified potential areas of concern.

**Q17:** Will the Government provide industry information back as part of the OCI RFI?

**A17:** Please review the OCI RFI and see if it provides enough guidance/information. The Government may provide feedback as stated in the OCI RFI.

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**Q18:** Do the OCI requirements transfer to subs?

**A18:** Yes, the subs must be in compliance with the Prime's OCI plan.

**Q19:** Where does the Government see the need for innovation as it relates to MSOC and future Programs?

**A19:** Because we are early in the procurement process, the Government is unable to address this question at this time. Please continue to monitor the MSOC Procurement website, as additional information will be provided as it becomes available.

**Q20:** How will the interface with Commercial Crew Program (CCP) partners work?

**A20:** Currently, it is within the Flight Operations Directorate's (FOD) profile to support the CCP. The Government will support the CCP as schedule and requirements are defined.

**Q21:** How can potential offerors get past operations experience included in their past performance content?

**A21:** Because we are early in the procurement process, the Government is unable to address this question at this time. Please continue to monitor the MSOC Procurement website, as additional information will be provided as it becomes available.

**Q22:** Is the cyber security requirement an enhanced requirement?

**A22:** The cyber security requirement became an emphasized, high priority requirement as part of FDOC following the Agency's increased emphasis on cyber security. It is not known at this time how this requirement will evolve under MSOC.

**Q23:** Will the NBL portion of NSOC be covered by two different contracts?

**A23:** The MSOC RFI states: "NASA/JSC is planning to combine the contract requirements of the Facilities Development and Operations Contract (FDOC), contract number NNJ10HD46C and the Space Vehicle Mockup Facility (SVMF) requirements of contract NNJ10HD35C, the Neutral Buoyancy Laboratory/SVMF Contract (NSOC)." The Government cannot discuss future acquisitions for the NBL.

**Q24:** Is there any Sonny Carter Training Facility content expected on the MSOC contract?

**A24:** There is none expected at this time. Any specific requirements will be provided in the Request for Proposal (RFP).

**Q25:** Will the Government release the list of Industry Day attendees?

**A25:** The Government will not release the list of Industry Day attendees. However, on November 11, 2015 the Government posted to the MSOC website the Interested Parties list. The Interested Parties list includes the list of entities that attended the Industry Day and consented to be included on the Interested Parties list.

**Q26:** Will the historical Flight Control Room (FCR) Mission Control Center (MCC) positions exist under MSOC?

**A26:** It is anticipated that current International Space Station (ISS) FCR position support will continue, but this is yet to be determined. Future positions could be defined as Program ops concepts are developed.

**Q27:** Do we anticipate this being a best value or lowest price contract?

**A27:** Because we are early in the procurement process, the Government is unable to address this question at this time. Please continue to monitor the MSOC Procurement website, as additional information will be provided as it becomes available.

**Q28:** Does the Government anticipate providing plug numbers for material and travel?

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**A28:** Because we are early in the procurement process, the Government is unable to address this question at this time. Please continue to monitor the MSOC Procurement website, as additional information will be provided as it becomes available. Please note, it is the Government's intent to provide a Government Resources Estimate (GRE).

**Q29:** Are there any options remaining on the current FDOC contract?

**A29:** There is one remaining option on FDOC.

**Q30:** Will there be an Indefinite Delivery Indefinite Quantity (IDIQ) component on MSOC?

**A30:** Because we are early in the procurement process, the Government is unable to address this question at this time. Please continue to monitor the MSOC Procurement website, as additional information will be provided as it becomes available.

**Q31:** Are there any other contracts at JSC that will provide development work for MSOC?

**A31:** As stated in the MSOC Industry Day presentation, it is currently the Government's intent for development and modification support to be required under MSOC. For FDOC, the Government has utilized external organizations to provide supplemental support. For example, the Engineering Directorate provided some Training Systems (TS) model development.

**Q32:** Can the Government provide any information on the Specialized Engineering, Aeronautics, and Manufacturing (SEAM) procurement and how it relates to the MSOC procurement?

**A32:** The specific MSOC requirements are not defined at this time. The Government cannot discuss any information related to how the SEAM procurement relates to the MSOC procurement at this time. For more information related to the SEAM procurement see: <http://procurement.jsc.nasa.gov/seam/>.

**Q33:** Will there be a Tech Library available?

**A33:** Yes, the Technical Library is currently available and it is the Government's intent to fully utilize the Technical Library to aid potential offerors to the fullest extent possible. The MSOC Technical Library is located here: <http://procurement.jsc.nasa.gov/msoc/tl/authorize.asp>

**Q34:** Does the Government anticipate providing representative Task Orders for sample pricing?

**A34:** Because we are early in the procurement process, the Government is unable to address this question at this time. Please continue to monitor the MSOC Procurement website, as additional information will be provided as it becomes available.

**Q35:** Does the Government know the timeline between the release of the Draft RFP and Final RFP?

**A35:** Because we are early in the procurement process, the Government is unable to address this question at this time. Please continue to monitor the MSOC Procurement website, as additional information will be provided as it becomes available.

**Q36:** Will the robotic arm (Canada Arm) be part of the MSOC SVMF requirements set?

**A36:** There are no current requirements to support the robotic arm as part of the NSOC SVMF requirement set. The robotic arm located in JSC Building 9 is the responsibility of the JSC Engineering Directorate.

**Q37:** Can the Government provide any information regarding FOD's visions and goals?

**A37:** Because we are early in the procurement process, the Government is unable to discuss future goals as it relates to potential requirements under the MSOC. Any specific goals related to MSOC requirements will be included in the RFP.

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**Q38:** Any areas of concerns we have about transition?

**A38:** The Government is currently still gathering information on the MSOC procurement and is not at a point to discuss potential concerns with contract transition.

**Q39:** Can the Government provide any insight on the rationale for the inclusion of the SVMF requirements into the MSOC procurement and is this decision final?

**A39:** Based on internal FOD strategic planning, it was found that there were stronger synergies between the SVMF and elements on FDOC than there were between the SVMF and NBL; therefore, it is in the Government's best interest to combine FDOC and the SVMF content of NSOC. It is currently the Government's intent to combine these requirement sets, but no decision is final at this time.

**Q40:** Will rationale on this decision be made public?

**A40:** Currently, based on internal FOD strategic planning, it was found that there were stronger synergies between the SVMF and elements on FDOC than there were between the SVMF and NBL; therefore, it is in the Government's best interest to combine FDOC and the SVMF content of NSOC. It is currently the Government's intent to combine these requirement sets, but no decision is final at this time. The final decision on MSOC contract requirements will be incorporated in the final RFP.

**Q41:** Can the Government describe why the NBL requirements were excluded from the planned MSOC procurement?

**A41:** Based on internal FOD strategic planning, it was found that there were stronger synergies between the SVMF and elements on FDOC than there were between the SVMF and NBL; therefore, it is in the Government's best interest to combine FDOC and the SVMF content of NSOC. The Government recommends utilizing the RFI response as a means to provide recommendations on contract make-up.

**Q42:** What are the Government's next steps in the procurement process now that Capability Statement RFI responses have been received?

**A42:** Please refer to the MSOC Acquisition Milestone Schedule on the MSOC Procurement Website and continue to monitor the website, as additional information will be provided as it becomes available.

**Q43:** What is the estimated number of tours on an annual basis at SVMF?

**A43:** The SVMF currently supports approximately 150 mock-up tours per month, ranging from high profile Public Affairs Office coordinated tours to employee-led tours for family and friends. Currently, NSOC support is mostly limited to scheduling support with very minimal reconfiguration efforts for the high profile events.

**Q44:** Can potential offerors submit white papers or proprietary information as part of RFI responses, unsolicited feedback or proposals?

**A44:** As stated in the Capability Statement RFI, the Government will not accept any proprietary information as part of RFI responses. Potential offerors may provide white papers (*informational documents issued by a companies to promote or highlight the features of a solution, product or service*) containing only non-proprietary data via email to [jsc-msoc@mail.nasa.gov](mailto:jsc-msoc@mail.nasa.gov) and can also ask additional questions by contacting the Contracting Officer at [jsc-msoc@mail.nasa.gov](mailto:jsc-msoc@mail.nasa.gov) or through the MSOC Procurement website. The Government will not provide a response to white papers submitted, except for clarification purposes as necessary. It's anticipated that the only proprietary information that will be accepted are proposals in response to the RFP and Final Proposal Revision (FPR).

**Q45:** Can the Government provide any additional information regarding the FOD Director's comments regarding cost savings and innovations for MSOC?

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**A45:** The Government is always looking for contractors to provide innovative solutions and cost savings ideas. Any specific goals related to innovation and cost savings under MSOC would be communicated as part of the RFP.

**Q46:** Who will be providing the Orion simulator development?

**A46:** Orion simulator development roles and requirements are not fully defined at this time.

**Q47:** Can the Government provide any further information on cyber security requirements under MSOC?

**A47:** The MSOC requirement set is not defined at this time. Offerors should review the current contract Statement of Works (SOWs) for details on current cyber security requirements.

**Q48:** How will the Government align the FDOC and NSOC/SVMF contract start dates?

**A48:** The Government cannot discuss specific information related to this question, but it is currently the Government's intent to combine the FDOC content and the SVMF content of NSOC under the MSOC, with the MSOC period of performance anticipated to begin on October 1, 2017.

**Q49:** Will the Government provide an IGE?

**A49:** The Government intends to provide a GRE, which will provide an estimate of resources required for MSOC. The GRE will be provided in the draft and final RFPs.

**Q50:** Are we going to be limited to RFI's. Are there opportunities for more one-on-one's?

**A50:** Because we are early in the procurement process, the Government is unable to address this question at this time. Please continue to monitor the MSOC Procurement website, as additional information will be provided as it becomes available.

**Q51:** What are the funding profiles for future work on MSOC?

**A51:** The Government cannot discuss funding information for future potential work on the MSOC. Current FDOC and NSOC contracts are funded by the Programs they support. Additionally, there are a very small number of projects funded by sources other than Programs.

**Q52:** Is the Government looking to continue on with the standing army or will there be expectations for a smaller employee base with surge potential?

**A52:** The Government cannot discuss staffing expectations as it relates to the MSOC requirements.

**Q53:** Is the MSOC Procurement Strategy Meeting (PSM) scheduled?

**A53:** No information related to the MSOC Procurement Strategy Meeting (PSM) will be made available to industry.

**Q54:** Does the Government expect there to be development work associated with the MSOC?

**A54:** The MSOC requirement set is not defined at this time. It is currently the Government's intent to include development/modification and sustaining engineering requirements under MSOC.

**Q55:** Will there be an Earned Value Management System (EVMS) requirement?

**A55:** Because we are early in the procurement process, the Government is unable to address this question at this time. Please continue to monitor the MSOC Procurement website, as additional information will be provided as it becomes available.

**Q56:** How will the Government use cost savings evaluations as a priority in Section M to differentiate

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proposals?

**A56:** Because we are early in the procurement process, the Government is unable to address this question at this time. Please continue to monitor the MSOC Procurement website, as additional information will be provided as it becomes available.

**Q57:** Will Mission Suitability be considered as pass/fail criteria?

**A57:** Because we are early in the procurement process, the Government is unable to address this question at this time. Please continue to monitor the MSOC Procurement website, as additional information will be provided as it becomes available.

**Q58:** Will there be Work Breakdown Structure (WBS) changes that would allow cross pollination of like functions now that MSOC includes SVMF?

**A58:** Because we are early in the procurement process, the Government is unable to address this question at this time. The Government recommends reviewing the current FDOC and NSOC SOWs for identification of like functions.

**Q59:** Is there any possibility of MSOC offering Information Technology (IT) services across other areas of FOD or JSC as a whole?

**A59:** The MSOC requirement set is not defined at this time.

**Q60:** Will the cyber security requirement be looked at as a common service?

**A60:** The MSOC requirement set is not defined at this time. FDOC currently provides cyber security as a common service to Mission Systems (MS).

**Q61:** Will the Government provide tours of all facilities as part of pre-proposal conference?

**A61:** Yes, the Government plans to provide facility tours of all MSOC facilities as part of the pre-proposal conference.

**Q62:** What are the Government's thoughts or ideas on ops and services outside the current focus and/or philosophy?

**A62:** Because we are early in the procurement process, the Government is unable to address this question at this time. Please continue to monitor the MSOC Procurement website, as additional information will be provided as it becomes available.

**Q63:** Has the Government brought in industry or benchmarked outside entities as part of this acquisition?

**A63:** The Government is doing a suite of activities during the Procurement Development Team (PDT) timeframe including benchmarking and other market research.

**Q64:** Was staggering the release of the current RFIs late breaking or intentional?

**A64:** The release of the current RFIs was not staggered intentionally and was part of regular PDT activities.

**Q65:** Does the Government plan on releasing any additional RFIs?

**A65:** The Government cannot speak to future RFIs that may or may not be released.

**Q66:** How radical of a commercial partnership does the Government want?

**A66:** The Government is soliciting input from industry regarding potential partnership activities. All input from industry will be considered and factored into the RFP.

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**Q67:** How does FOD see all the interplaying acquisitions playing out?

**A67:** The Government cannot discuss other acquisitions.

**Q68:** Does the Government expect to use non NASA related past performance information as evaluation factors?

**A68:** Because we are early in the procurement process, the Government is unable to address this question at this time. Please continue to monitor the MSOC Procurement website, as additional information will be provided as it becomes available.

**Q69:** Are there any incumbent proprietary tools on the current FDOC or NSOC contracts that would require a new solution under MSOC?

**A69:** The Government is not aware of any incumbent proprietary tools that would require a new solution at this time. The Government will provide any additional information as part of the RFP and Technical Library if there are tools requiring new solutions identified in the future.

**Q70:** Are there any OCI concerns relating to the JSC Enabling Technology and Security (JETS) or the Integrated Mission Operations Contract (IMOC) II support?

**A70:** Potential offerors should utilize their responses to the OCI RFI as a mechanism to provide the Government information on potential OCI concerns. The OCI RFI released contains the currently identified potential areas of concern.

**Q71:** What does the Government really mean by partnerships as it relates to the RFI that was released?

**A71:** The Government is soliciting input from industry regarding potential partnership activities. Please reference the JSC Partnership Gateway for further information related to partnerships:  
<http://www.nasa.gov/centers/johnson/partnerships/>

**Q72:** How should offerors address the impact of a potential partnership with IMOC contractor team?

**A72:** The Government is soliciting input from industry regarding potential partnership activities and recommends offerors include ideas for any type of partnership in responding to the Partnership RFI.

**Q73:** Any requirement for mentor/protégé? Are you thinking about a mentor/protégé requirements? If you are, is there going to be funding related to help with that?

**A73:** Because we are early in the procurement process, the Government is unable to address this question at this time. Please continue to monitor the MSOC Procurement website, as additional information will be provided as it becomes available.

**Q74:** What will the proposal evaluation factors be?

**A74:** Because we are early in the procurement process, the Government is unable to address this question at this time. Please continue to monitor the MSOC Procurement website, as additional information will be provided as it becomes available.

**Q75:** Will there be any specific efficiencies identified in the RFP?

**A75:** Because we are early in the procurement process, the Government is unable to address this question at this time. Please continue to monitor the MSOC Procurement website, as additional information will be provided as it becomes available.

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**Q76:** Will there be any Capability Maturity Model Integration (CMMI) level 3 requirements?

**A76:** The MSOC requirement set is not defined at this time. Any specific CMMI related requirements will be provided as part of the RFP.

**Q77:** Will there be key personnel requirements in the RFP?

**A77:** Because we are early in the procurement process, the Government is unable to address this question at this time. Please continue to monitor the MSOC Procurement website, as additional information will be provided as it becomes available.

**Q78:** Has there been any consideration given to making this acquisition a full Small Business set-aside?

**A78:** Because we are early in the procurement process, the Government is unable to address this question at this time. Please continue to monitor the MSOC Procurement website, as additional information will be provided as it becomes available. Per the MSOC Industry Day charts, it is currently the Government's intent to compete MSOC as a Full and Open competition.

**Q79:** With the Project 21s coming on line, what are the big development efforts expected under the MSOC?

**A79:** The MSOC requirement set is not defined at this time. It is currently the Government's intent to include development/modification and sustaining engineering requirements under MSOC.

**Q80:** How do the current contracts utilize excess capacity?

**A80:** Currently, there is no significant use of excess capacity in SVMF and MS.

**Q81:** How busy is the public affairs efforts associated with the SVMF?

**A81:** Currently, NSOC/SVMF contractors do not provide a direct public affairs function. The current support is mostly limited to scheduling support with very minimal reconfiguration efforts for high profile events.

**Q82:** Does the government expect the MSOC team to have purchasing authority as the contractor?

**A82:** Because we are early in the procurement process, the Government is unable to address this question at this time. Please continue to monitor the MSOC Procurement website, as additional information will be provided as it becomes available. The current contractor has purchasing authority on FDOC and NSOC.

**Q83:** Are there any qualifications on Federal Information Security Modernization Act (FISMA) and Federal Risk and Authorization Management Program (FedRAMP) certifications as it relates to MSOC?

**A83:** The MSOC requirement set is not defined at this time. If there are any specific FISMA qualifications or compliance activities and/or FedRAMP certification requirements, they will be provided as part of the RFP.

**Q84:** This morning you put up contract start date. Would you start transition then or is there an earlier transition date?

**A84:** Transition date would be in advance of contract start date of October 1, 2017.

**Q85:** How long is transition?

**A85:** Because we are early in the procurement process, the Government is unable to address this question at this time. Please continue to monitor the MSOC Procurement website, as additional information will be provided as it becomes available. Phase-in was 54 days for FDOC.

**Q86:** What are the recycling plans for software and licensing agreements for decommissioned services?

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**A86:** Because we are early in the procurement process, the Government is unable to address this question at this time. Please continue to monitor the MSOC Procurement website, as additional information will be provided as it becomes available.

**Q87:** Will there be further meetings to help partnering efforts?

**A87:** The Government intends to host a pre-proposal conference as part of the MSOC acquisition effort, but the Government will not host any other activity specifically aimed at contractor teaming efforts.

**Q88:** Will there be a data classification program under MSOC and if so will MSOC cover all data classes?

**A88:** The MSOC requirement set is not defined at this time. There is a data classification program under the current FDOC and NSOC requirements.

**Q89:** Will potential offerors be able to talk directly with the current cyber security team?

**A89:** Because we are early in the procurement process, the Government is unable to address this question at this time. Please continue to monitor the MSOC Procurement website, as additional information will be provided as it becomes available.

**Q90:** Regarding awardable tasks, will you award specific task orders? Are you going to ask for a specific one?

**A90:** Because we are early in the procurement process, the Government is unable to address this question at this time. Please continue to monitor the MSOC Procurement website, as additional information will be provided as it becomes available.

**Q91:** What kind of approaches will the Government take relative to security plans?

**A91:** Because we are early in the procurement process, the Government is unable to address this question at this time. Please continue to monitor the MSOC Procurement website, as additional information will be provided as it becomes available. Currently on FDOC and NSOC there is a requirement to provide a Security Plan as a Data Requirements Document (DRD).

**Q92:** How old is the current FDOC?

**A92:** FDOC period of performance began January 1, 2009.

**Q93:** Where does security fall into the planning phase?

**A93:** The Government is unable to address this question as written. The context and scope is unclear. Please clarify the context and scope of this question and resubmit if desired.

**Q94:** Who should we (contractor) meet with as our next step?

**A94:** Please continue to monitor the MSOC Procurement website, as additional information will be provided as it becomes available. Additionally, the JSC Small Business Office is available to provide assistance to Small Businesses, see: <http://procurement.jsc.nasa.gov/smbus.html>

**Q95:** Has the Government given considerations to the systems needed to provide the cyber security requirements?

**A95:** Yes, and the cyber security requirements will be stated in the final RFP.

**Q96:** Has the PDT been identified?

**A96:** Yes, the MSOC PDT has been identified and the members are currently identified on the MSOC Procurement web site.

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**Q97:** Will the SEB be comprised of the same personnel?

**A97:** The Government is unable to discuss SEB activities at this time.

**Q98:** Are there any projects on FDOC that utilize the Independent Verification and Validation (IV&V) center in West Virginia?

**A98:** No.

**Q99:** What is the expected client base associated with the partnership expectations?

**A99:** The Government released a RFI to solicit thoughts and ideas from industry on partnerships. There are no specific expectations on potential client base.

**Q100:** Is there striation between government funded and non-government funded agreements?

**A100:** The Government is unable to address this question as written. The context and scope is unclear. Please clarify the context and scope of this question and resubmit if desired.

**Q101:** Will we be seeing Service Model delivery on MSOC?

**A101:** The Government is unfamiliar with the term "Service Model delivery." Please redefine the intent of the question and resubmit if desired.

**Q102:** Is the JSC 2.0 vision going to be more prevalent in the MSOC requirements?

**A102:** The MSOC requirement set is not defined at this time. Any specific requirements related to the JSC 2.0 vision will be included in the RFP.

**Q103:** Can you please provide a brief definition of the MS elements?

**A103:** The Government recommends reviewing the MSOC Industry Day presentation currently available on the MSOC Procurement website.

**Q104:** Is there any integration between Training Systems (TS) and playing back real-time telemetry?

**A104:** Yes, there are current interfaces that allow for the playback of real-time telemetry for training and simulation purposes.

**Q105:** Is the Mission Display Tool (MDT) going to be part of MSOC?

**A105:** The MSOC requirement set is not defined at this time. The list of User Applications supported by MSOC will be made available as part of the Technical Library.

**Q106:** What are the hardware and software replacement plans and what are the expectations associated with development vs. sustaining efforts on MSOC?

**A106:** It is expected that the MCC-21 and TS-21 projects will be completed under FDOC prior to the start of the MSOC contract. It is the Government's intent to provide an Equipment Replacement (ER) plan as part of the MSOC Technical Library.

**Q107:** Do we expect to be at the beginning of a new replacement cycle as the outset of MSOC?

**A107:** It is the Government's intent to provide an ER plan as part of the MSOC Technical Library.

**Q108:** Given ISS retirement in 2024, will the primary focus of MSOC shift to Orion and future Programs?

**A108:** It is expected the MSOC will support all current and future Programs that become the responsibility of FOD to support.

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**Q109:** Do we anticipate accommodating commercial partners in the current facilities?

**A109:** FDOC and NSOC/SVMF currently support commercial partners in the MS elements.

**Q110:** Is it possible to run the current infrastructure and systems from an off-site facility (i.e. cloud services)?

**A110:** Currently, the infrastructure and functional systems are local on site and any support changes would need to be vetted through the Government.

**Q111:** Is making data available to third parties a consideration?

**A111:** Because we are early in the procurement process, the Government has not determined the MSOC data requirements at this time. Such requirements will be defined in the RFP.

**Q112:** Is there any chance the MSOC procurement approach changes from the current North American Industry Classification System (NAICS) class and completion plan?

**A112:** Per the MSOC RFI and the Industry Day Presentation, it is the Government's intention to use NAICS Code is 541712, Research and Development in the Physical, Engineering and Life Sciences exception (c), Space Vehicles and Guided Missiles, their Propulsion Units, their Propulsion Units Parts and their Auxiliary Equipment and parts, as the NAICS code for the MSOC procurement. While the decision is not yet finalized, the Government also intends to conduct this procurement as a Full and Open competition.

**Q113:** Can the Government give a definition of what a significant sub-contractor will be?

**A113:** Because we are early in the procurement process, the Government is unable to address this question at this time. The definition of a major subcontractor for cost/price and past performance purposes will be defined in the final RFP.

**Q114:** What was the Government's intent of the Firm Fixed Priced question that was released as part of the capabilities RFI?

**A114:** As part of the RFI, the Government is soliciting input from industry on all potential contract types that could be used for MSOC.

**Q115:** Do we see any concerns with a single large company executing as Prime on multiple large contracts?

**A115:** Concerns may vary depending on the specific situation. Any unresolvable OCI issues are always a concern.

**Q116:** Can we give a headcount on current scope of work expected?

**A116:** No, the MSOC requirement set is not defined at this time. Currently, there are approximately 500 Full Time Equivalent (FTE) on FDOC and approximately 150 FTE on NSOC (includes SVMF and NBL).

**Q117:** Can we share the headcount we think it will be on the MSOC?

**A117:** The Government will include this type of information in the GRE.

**Q118:** Is the Source Selecting Authority (SSA) going to be located at JSC or out of Headquarters?

**A118:** The SSA has not yet been determined for the MSOC procurement. When the SSA is determined, that information will be made available on the MSOC website.

**Attachment 1: Questions and Answers**

**Q119:** Are the SVMF requirements of NSOC located in JSC Building 9 only?

**A119:** Current NSOC SVMF requirements include JSC Building 9, Building 59, and the Lay-Down-Yard. Site Facility tours will be available during the pre-proposal conference.

**Q120:** Can the Government provide further information on current or future priorities for FOD?

**A120:** Because we are early in the procurement process, the Government is unable to address this question at this time. Please continue to monitor the MSOC Procurement website, as additional information will be provided as it becomes available.

**Q121:** How do we ensure the safety of the crew for Dragon launches?

**A121:** The question as stated is outside the scope of the anticipated MSOC requirements.

**Q122:** Do we anticipate needing provisions for Space Act Agreements (SAA) under MSOC? Does FDOC?

**A122:** Because we are early in the procurement process, the Government is unable to address this question at this time. Please continue to monitor the MSOC Procurement website, as additional information will be provided as it becomes available. FDOC currently does not have any SAAs.

**Q123:** Do we anticipate provisions of Fixed Price pieces of MSOC? Does FDOC?

**A123:** Because we are early in the procurement process, the Government is unable to address this question at this time. Please continue to monitor the MSOC Procurement website, as additional information will be provided as it becomes available. Neither the NSOC nor FDOC contracts currently include any Fixed Price elements.

**Q124:** Will the customer organization be available for discussion prior to RFP release?

**A124:** The customer organization is available for discussion prior to the issuance of the blackout notice. The blackout notice will be issued prior to the release of the RFP. Interested parties may contact the Mission Systems Division (CD) Division Chief Troy Leblanc ([troy.p.leblanc@nasa.gov](mailto:troy.p.leblanc@nasa.gov)) or request a meeting with the Director of the Flight Operations Directorate, Brian Kelly, prior to the issuance of the blackout notice.

**Q125:** Are there any funding sources for FDOC outside of the standard Program sources (e.g. grants)?

**A125:** Currently for FDOC and NSOC, there are a very small number of projects funded by sources other than Programs.

**Q126:** Will all work on MSOC be done on site or will there be an off-site component?

**A126:** The MSOC requirement set is not defined at this time. FOD is currently working to accommodate all FDOC personnel on site, excluding corporate support.

**Q127:** When will more information on FOD be made available in the MSOC Technical Library?

**A127:** Please continue to monitor the MSOC Procurement website, as additional information will be provided as it becomes available.

**Q128:** Will the Government post strategic vision information as part of the Tech Library?

**A128:** Because we are early in the procurement process, the Government is unable to address this question at this time. Please continue to monitor the MSOC Procurement website, as additional information will be provided as it becomes available.

**Attachment 1: Questions and Answers**

**Q129:** What are the Configuration Management plans for MSOC?

**A129:** The MSOC requirement set is not defined at this time. Please continue to monitor the MSOC Procurement website, as additional information will be provided as it becomes available.

**Q130:** Will any of the FDOC requirements/SOW elements be moved to a center wide effort instead of MSOC?

**A130:** Because we are early in the procurement process, the Government is unable to address this question at this time. Please continue to monitor the MSOC Procurement website, as additional information will be provided as it becomes available.

**Q131:** Does the Government direct how FDOC procures the product?

**A131:** The Government does not direct who the suppliers are.

**Q132:** Who will be responsible for licensing management?

**A132:** The MSOC requirement set is not defined at this time. Under FDOC, the contractor is responsible for licensing management of the MS elements.

**Q133:** Will the Government consider longer time spans for past performance data?

**A133:** Because we are early in the procurement process, the Government is unable to address this question at this time. However, the Government will certainly take recommendations, through posted RFIs, in this area.

**Q134:** Does the Government anticipate Reliability, Maintainability, and Availability (RMA) and performance standards to continue under MSOC?

**A134:** The MSOC requirement set is not defined at this time. Any specific performance or RMA requirements will be identified in the RFP.

**Q135:** Will the Government be receptive to new technologies for future requirements especially as it relates to cyber security?

**A135:** The Government is always open to new innovations as it relates to meeting requirements.

**Q136:** Can we include the FOD civil servant management org chart as part of the draft RFP?

**A136:** It is unclear at this time if this information will be released; however, it will be posted as part of the Technical Library if the Government releases it.

**Q137:** Are the security clearance requirements set against specific SOW areas?

**A137:** Potential offerors should review the current FDOC SOW to see example areas for Communications Security (COMSEC) and IT Security requirements.

**Q138:** Do we anticipate OCI concerns for similar work at other centers or other contracts at JSC?

**A138:** Potential offerors should utilize their responses to the OCI RFI as a mechanism to provide the Government information on potential OCI concerns. The OCI RFI released contains the currently identified potential areas of concern.

**Q139:** How long will the Government give industry to provide proposals?

**A139:** Because we are early in the procurement process, the Government is unable to address this question at this time. Please continue to monitor the MSOC Procurement website, as additional information

**Attachment 1: Questions and Answers**

will be provided as it becomes available. For FDOC, industry was allowed 60 days to submit proposals. Per the MSOC Industry Day Charts: "It is the Government's intent to request that offerors provide past performance information within 30 days of the release of the Final RFP to expedite the evaluation process."

**Q140:** Has the Government put considerations into dollar amount or time that can be considered relevant as part of the past performance information?

**A140:** Because we are early in the procurement process, the Government is unable to address this question at this time. Please continue to monitor the MSOC Procurement website, as additional information will be provided as it becomes available.

**Q141:** Do we know what kind of documentation will be available and when this documentation will be available in the Technical Library?

**A141:** The timing of when documentation will be available is unknown at this time, but the Government fully intends to utilize the Technical Library to provide as much information as possible for industry to have a thorough understanding of requirements for proposal development.

**Q142:** Are there considerations given to utilizing open source solutions for meeting requirements?

**A142:** The MSOC requirement set is not defined at this time and any relevant information will be provided in the RFP.

**Q143:** Will you make incumbent personnel available to level playing field?

**A143:** As stated in the MSOC Industry Day slides, potential offerors should not contact incumbent personnel. However, industry is invited to continue to ask the Contracting Officer questions related to the MSOC procurement at any time ([jsc-msoc@mail.nasa.gov](mailto:jsc-msoc@mail.nasa.gov)). You may ask JSC Procurement Management questions prior to the issuance of the blackout notice (which occurs in conjunction with the release of the Final RFP). You may also contact the Mission Systems Division (CD) Division Chief Troy Leblanc ([troy.p.leblanc@nasa.gov](mailto:troy.p.leblanc@nasa.gov)) or request a meeting with the Director of the Flight Operations Directorate, Brian Kelly, prior to the issuance of the blackout notice. Additionally, the Technical Library is a tool available to industry to provide background information and promote competition.

**Q144:** What are the top issues on the current contracts?

**A144:** The Government cannot discuss current contract performance.

**Q145:** Is it the government's intent to not pick up the option year of the current FDOC contract?

**A145:** The Government cannot discuss future contract option plans.

**Q146:** If JSC is serious about cost savings, this must be part of RFP section M. How will the desire for cost savings be reflected in Section M?

**A146:** Because we are early in the procurement process, the Government is unable to address this question at this time. Please continue to monitor the MSOC Procurement website, as additional information will be provided as it becomes available.

**Q147:** Will the directorate video be posted on the procurement website?

**A147:** The Government plans to post the FOD Director's video to the MSOC Procurement website.

**Q148:** Will there be RFP requirements to ensure small business teaming is in meaningful, high technical areas?

**A148:** Because we are early in the procurement process, the Government is unable to address this question at this time. Please continue to monitor the MSOC Procurement website, as additional information

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will be provided as it becomes available.

**Q149:** For new software development, is NASA considering an Agile approach?

**A149:** The MSOC requirement set is not defined at this time. FDOC currently utilizes an Agile development approach for some projects.

**Q150:** Will traditional firewall and remote employee location strategies be acceptable for managing perceived or actual OCIs?

**A150:** Per the OCI RFI, "Each potential offeror should review FAR Subpart 9.5 in light of NASA's anticipation of OCI issues and consider carefully the extent to which an OCI may arise before making the decision to compete for the MSOC.

Specifically, NASA anticipates that the effort under the MSOC will include the following types of tasks which could lead to potential OCI issues. This list is not all inclusive.

- The contractor will have access to other companies' proprietary information, e.g. Commercial Crew and Commercial Cargo Program vendors.
- The contractor may be required to provide technical support to NASA for new systems development for current and future programs/missions.

The NASA Guide on Organizational Conflicts of Interest is located on the NASA Headquarters Procurement website at: <https://www.hq.nasa.gov/office/procurement/OCIGuide.pdf>. Please reference this document for additional information about NASA's policies with respect to OCI issues."

**Q151:** Mission demand schedule for 2-4 years?

**A151:** Relevant Agency mission milestones will be provided as part of the Technical Library.

**Q152:** How does JSC evaluate past performance?

**A152:** Past Performance Evaluation criteria will be provided in the RFP.

**Q153:** What are NASA's expectations for formality/rigor in supporting space flight ops?

**A153:** NASA maintains the highest standards for human spaceflight support.

**Q154:** Are there any restrictions on workforce restructuring? (MSOC)

**A154:** The Government is unable to address this question as written. The context and scope is unclear. Please clarify the context and scope and resubmit if desired.

**Q155:** Can we use funds we saved? If savings are incurred, is it useful?

**A155:** On the current FDOC and NSOC contracts, cost saving gained during performance are generally redirected by the Government to perform additional work on content that is within the scope of these efforts.

**Q156:** Is there a plan to engage with industry on RFI?

**A156:** There are no current plans to engage Industry on the RFIs. The Government may engage Industry in written form for clarification purposes if there are open questions about the content provided.

**Q157:** For the Commercial Crew Program (CCP) support, will there be additional positions in the MCC for the missions launching NASA astronauts?

**A157:** Yes. It is anticipated these positions can be accommodated within the current capabilities.

**Attachment 1: Questions and Answers**

**Q158:** Is the MSOC a stepping stone to help support exploration?

**A158:** It is currently the Government's intent for the MSOC to support the Orion/SLS Programs as well as all future Programs and missions that become the responsibility for FOD to support.

**Q159:** Can the Government provide any additional information on the cyber security requirements as it relates to the Base Information Technology Security (BITSec) contract?

**A159:** The BITSec requirement will be awarded as a task order under a National Institute of Health (NIH) contract in accordance with NNJ14512630L REQUEST FOR INFORMATION FOR JSC INFORMATION TECHNOLOGY SECURITY SUPPORT SERVICES, Modification 3. The BITSec requirements are outside the scope of the MSOC acquisition.

**Q160:** Would there be OCI concerns if a company worked on BITSEC and MSOC?

**A160:** Potential offerors should review potential OCI concerns to determine any an OCI exists. Potential offerors should use their responses to the MSOC OCI RFI as a means to provide the Government information on potential OCI concerns. See A150 above for additional information.

**Q161:** Can the Government provide a breakdown of development/modification/sustaining activities for FDOC?

**A161:** The Government intends to make as much information as possible available to industry so that industry will have a thorough understanding of requirements for proposal development. Please continue to monitor information added to the MSOC Technical Library and review the MSOC RFP when it becomes available.

**Q162:** For work brought in from outside, can income be returned and used at JSC?

**A162:** On the current NSOC, reimbursable activities are reported as cost off-sets to the contract. Whether or not MSOC will contain reimbursable activities is yet to be defined.

**Q163:** Regarding tolerance for innovation.....How much change can you bring in to bring in cost savings without incurring risk to human spaceflight? Can we get dialogue open on that?

**A163:** The Government is always looking for contractors to provide innovative solutions and cost savings ideas. As always, new ideas are evaluated against risk to human spaceflight. If the Government requests any specific areas of innovation related to the MSOC procurement, they will be addressed in the RFP. Industry is welcome to publically dialogue with the Government by submitting questions to the Contracting Officer directly at [jsc-msoc@mail.nasa.gov](mailto:jsc-msoc@mail.nasa.gov) or anonymously via the link on the MSOC Website: <http://procurement.jsc.nasa.gov/msoc/questions.asp>. Questions received will be officially answered through further Question and Answer postings to the MSOC Website.