

Date	Question #	Source Document	Question	Answers
2/11/2021	71	RFS	Is the use of virtual reality considered a suitable option for STE-LTS? Or does the solution need to be used in the actual environment? By virtual reality I mean the use of virtually rendered environments, aggressors, and inert or simulated direct or indirect fire weapons	Army Live training occurs in a live environment. The use of specific technologies are to be defined by the vendor solutions.
2/11/2021	72	RFS	Does solution need to be portable? If so, in what manner will that be done?	Yes, the system must be transportable. Specific requirements are TBD and will be determined post award.
INDUSTRY DAY QUESTIONS				
2/11/2021	73	SLIDO	Does a revolutionary approach only apply to Direct Fire or all 12 engagements? (ref Schedule slide Swim Lane #2)	The Government is interested in solutions that meet the maturity, capability, & architecture requirements specified in the RFS. The vendor should describe the technologies that are used by the proposed system and evaluate technical readiness level (TRL). The Government intends to evaluate the proposed technologies and their maturity in context of direct fire solution, indirect fire solution or counter defilade solution.
2/11/2021	74	SLIDO	Why are the direct and indirect swim lanes independent on he Schedule slide? is it purely prioritization?	The schedule slide depicts the 12 engagement types + 5 supporting instrumentation enablers. The focus of this OTA is the Direct Fire, Indirect Fire, and Counter Defilade engagement types.
2/11/2021	75	SLIDO	Is the Government interested in Revolutionary solutions in response to the current OTA? Or is the direction to wait for a future OTA?	The Government is interested in solutions that meet the maturity, capability, & architecture requirements specified in the RFS. This requirement is focused on swim lanes 1 and 3. Anything beyond this requirement will be made available in the form of coming soon notices through TReX, RFLs, etc.
2/11/2021	76	SLIDO	Will the use of a Virtual Reality platform be considered as a viable solution?	To be defined by vendor solutions.
2/11/2021	77	SLIDO	\$10M authorized in RFS for prototype development. Is that the total amount for the effort or is the 10M an allocation per down selected?	\$10M is the total for the 2021 OTA.
2/11/2021	78	SLIDO	What is the timeline for announcement on down selection, and does the gov't feel there is sufficient time allotted to prepare a successful demo?	See Industry Day Slide 25 for a detailed Pre Award Schedule.
2/11/2021	79	SLIDO	May a vendor submit more than one Solution Response?	Yes
2/11/2021	80	SLIDO	After 2.5 years of not moving forward on STE-LTS, why are you now rushing to do something in a total of 3 months.	The I-MILES family of products are nearing their end of life. The Government seeks mature and more capable solutions that can address the realism shortfall to exercise full BCT's compliment of weapon systems.
2/11/2021	81	SLIDO	Is the total effort \$10M or is it up to \$10M per vendor?	\$10M is the total for the 2021 OTA.
2/11/2021	82	SLIDO	What type of capability are you looking to purchase for \$10M.	STE-LTS will prototype mature solutions that can demonstrate the required integration with the current infrastructure that can satisfy live training gaps starting in FY26.
2/11/2021	83	SLIDO	Is the gov't anticipating multiple awards that are up to \$10M each? Or \$10M total across all of the multiple awards?	\$10M is the total for the 2021 OTA.
2/11/2021	84	SLIDO	The RFS seems to be quite different from what we were led to expect after the last pre-industry day. This RFS seems to focus on track 2 from a few weeks ago.	This requirement is focused on swim lanes 1 and 3. Anything beyond this requirement will be made available in the form of coming soon notices through TReX, RFLs, etc. The Government is interested in solutions that meet the maturity, capability, & architecture requirements specified in the RFS.
2/11/2021	85	SLIDO	In previous discussions, we were told lasers are acceptable. The requirements seem to exclude them for direct fire. Are Lasers acceptable?	The Government is interested in solutions that meet the maturity, capability, & architecture requirements specified in the RFS. Lasers are acceptable.
2/11/2021	86	SLIDO	Will funding be made available for vendors for the demonstration?	All pre-award activities will be covered and funded by vendors. No funding is available for pre-award activities.
2/11/2021	87	SLIDO	This timeline seems rushed vice deliberate. This seems to dramatically increase risk to the gov't and industry. Why the rush?	The I-MILES family of products are nearing their end of life. The Government seeks mature and more capable solutions that can address the realism shortfall to exercise full BCT's compliment of weapon systems.
2/11/2021	88	SLIDO	What is the timeline for announcement on down selection, and does the gov't feel there is sufficient time allotted to prepare a successful demo?	See Industry Day Slide 25 for a detailed Pre Award Schedule.
2/11/2021	89	SLIDO	Given that the RFS was released late by timeline- and that you are just now clarifying the requirements will you extend the response period by a week?	No extensions are planned to in order to meet the timeline discussed during Industry Day.
2/11/2021	90	SLIDO	With 10M funding wouldn't PM ST be better served with one OTA per system rather than spread them over multiple OTA awards and dilute your investment?	\$10M is the total for the 2021 OTA. The number of awards will be determined based on solutions that meet the maturity, capability & architecture requirements specified in the RFS.
2/11/2021	91	SLIDO	Does Production in FY23 mean begin production, or do you mean begin delivery? LRP or FRP?	The Government intends to award an OTA on or about 30 June 2021 with an expected 12 month Period of Performance immediately following. The Government anticipates awarding follow-on production OTA(s) for LRIP quantities.
2/11/2021	92	SLIDO	Will the Government please clarify what SLM weapons the direct fire focus area aims to address?	The Government is interested in AT-4, RPG, and bunker defeat munition SLMs as part of this OTA.
2/11/2021	93	SLIDO	Will the Government please provide definitions for all levels of TRL and MRL that industry should use to evaluate our solutions against?	TRL Levels are defined per RFS Attachment 3.
2/11/2021	94	SLIDO	Will the Government consider separating the indirect fire - counter defilade from the indirect fire - mortar and increase page count to 21 pages, 7 pages per FA	No. The maximum page count is 7 pages per focus area up to a maximum of 14 pages.
2/11/2021	95	SLIDO	How does the Government envision the direct fire and indirect fire systems interacting with CTIA? Is CTIA being retained as a standard for Live Training?	The Government intent for the OTA is to leverage the CTIA capabilities.

2/11/2021	96	SLIDO	Given the Government's comments on a squad force on force engagement, are we correct to assume for direct fire a vendor would need 18 systems for the demo?	The Government eliminated the field demo as a pre-award requirement.
2/11/2021	97	SLIDO	For the indirect fire counter defilade solution, are we correct to assume for a squad FoF a minimum of 4 systems would be need for the demo?	The Government eliminated the field demo as a pre-award requirement.
2/11/2021	98	SLIDO	Will CTIA and LTEC GFI architecture/design documents be provided?	No GFI will be made available to support vendor pre-award demonstrations. The Government will provide GFI to vendor(s) post-award.
2/11/2021	99	SLIDO	On slide #23, what is the envisioned interface for the bi-directional interchange between "Next Gen PU System" and "STE Enabled ExCON"?	To be defined by vendor solutions.
2/11/2021	100	SLIDO	Is there any plan to incorporate live fire data from TRACR and DRTS into STE?	This requirement is focused on swim lanes 1 and 3. Anything beyond this requirement will be made available in the form of coming soon notices through TReX, RFLs, etc.
2/11/2021	101	SLIDO	After years of dithering and refusing to invest in revolutionary technologies, why not focus the paltry \$10M on maturing revolutionary technologies?	The Government is pursuing a STE LTS path that has been vetted and approved by senior Army leadership, with guidance to continue this path with the current funding that is provided.
2/11/2021	102	SLIDO	Will the government clarify any difference between foliage, dust, smoke and fog as it relates to "overcoming obscurants"?	Yes. The Government desires simulated FoF solutions that can replicate the ballistic properties of munitions fired through these types of obscurants.
2/11/2021	103	SLIDO	Are you going to provide a post award schedule and a LRIP Schedule to enable ROM preparation?	The Government intends to award an OTA on or about 30 June 2021 with an expected 12 month Period of Performance immediately following. The Government anticipates awarding follow-on production OTA(s) for LRIP quantities.
2/11/2021	104	SLIDO	SLIDE 26 - Capacity was added to the criteria shown on the slide. This did not appear in the RFS. Is there an RFS update? What drove this change?	RFS Amendment 0001 will be updated to include capacity.
2/11/2021	105	SLIDO	is the demo 1 day total or 1 day per focus area?	The vendor demonstrations will be 1 day per vendor per focus area. Therefore, if a vendor provides a solution for two focus areas, 2 days will be made available.
2/11/2021	106	SLIDO	Industry spent hundreds of thousands of \$\$\$ and hundreds of man-years in 2019 for an effort that was essentially defunded. You want us to do it again for free.	The needs of the Government have changed and we are pursuing an STE LTS path forward that has been approved by senior Army leadership with the current funding level that was briefed at the 11 FEB 21 industry day - current year funding level, as well as projected funding in subsequent years.
2/11/2021	107	SLIDO	is the demo 1 day total or 1 day per focus area?	The vendor demonstrations will be 1 day per vendor per focus area.
2/11/2021	108	SLIDO	Do you believe you will be able to evaluate each solution for each focus area IAW the test criteria in a total of 4 hours?	Yes.
2/11/2021	109	SLIDO	How many Soldiers are you looking to outfit with new PURs?	See slide 23. The Government is not procuring Player Unit Radios as part of this effort.
2/11/2021	110	SLIDO	Do you believe that 7 pages are sufficient to respond to each focus area if a vendor is providing multiple solutions to the governments problem?	Yes
2/11/2021	111	SLIDO	Will you consider other MOSA open standards that are also loosely coupled besides CTIA?	Yes.
2/11/2021	112	SLIDO	can implementation take place in a simulated environment such as augmented, mixed, or virtual reality? or is a live environment needed?	Army Live training occurs in a live environment. While vendors may combine other technologies to meet the requirement, a live environment must also be used.
2/11/2021	113	SLIDO	EBC makes sim radios & headset adaptors to put directly onto net without PC or sound card. Will sim radios be needed for EXCON & Indirect or sim fire support?	The use of specific technologies are to be defined by the vendor solutions.
2/11/2021	114	SLIDO	Is cyber going to be a factor at demonstration?	No.
2/11/2021	115	SLIDO	What level of geo location fidelity can we assume the soldier module referenced in the overall architecture will provide?	The Government anticipates GPS signals may be degraded or not available in all Live training environments (e.g. heavily wooded areas, interior of buildings, underground tunnels).
2/11/2021	116	SLIDO	Will the Government please clarify if the STE LTS RFS addresses the replacement of TVS?	See Industry Day Slide 32 for a detailed description of which I-MILES systems are nearing End of Life in FY26.
2/11/2021	117	SLIDO	who is the incumbent on IMILES? Who Developed the NEW Live Training Architecture?	There are multiple incumbents for the I-MILES product line. The Government developed the STE LTS FoF Target Architecture.
2/11/2021	118	SLIDO	Will the Government please provide clarification on how industry should propose solutions (e.g. Artillery) in our response given the page constraints for FAs?	The Government is interested in solutions that meet the maturity, capability, & architecture requirements specified in the RFS. Section 6 of the RFS contains the instructions to submit an RFS response.
2/11/2021	119	SLIDO	You know your blended approach is going to create vendor lock from lane 1 and preclude injection of revolutionary tech, right?	The use of specific technologies are to be defined by the vendor solutions.
2/11/2021	120	SLIDO	How many Government evaluators should we expect at the demonstration event?	The Government will contact vendors invited to provide demonstrations to plan the details of impacts by COVID mitigation measures.
2/11/2021	121	SLIDO	Will you schedule a day for demonstrations for each vendor at Big Oaks, or do we need to schedule a day at Big Oaks ourselves?	The Government will reserve the use of facilities for the demonstration
2/11/2021	122	SLIDO	What are the primary technology challenges that are preventing you from moving forward with the other OTAs?	The Government is seeking a total solution for direct fire, indirect fire or counter defilade engagement systems. The vendor should describe the technologies that are used by the proposed system and evaluate technical readiness level (TRL). The Government intends to evaluate the propose technologies and their maturity in context of direct fire solution, indirect fire solution or counter defilade solution.
2/11/2021	123	SLIDO	What are the quantities expected per FA weapon type expected at the end of the twelve month Pop? Are we correct to assume these quantities would not be LRIP?	Requirements will be determined during vendor SOW collaboration prior to award. The prototypes are not considered part of LRIP.
2/11/2021	124	SLIDO	Will the Government clarify the quantities per FA weapon type anticipated for LRIP?	Yes. Actual numbers are to be determined after Final Prototype Assessment (FPA)
2/11/2021	125	SLIDO	Understand TVS is EUL in FY26, however there are no specific requirements for its replacement in the STE LTS RFS. Is the TVS replacement in the STE LTS scope?	See Industry Day Slide 32 for a detailed description of which I-MILES systems are nearing End of Life in FY26.
2/11/2021	126	SLIDO	How much funding is planned for the OTA for direct fire vs. indirect fire? How much funding is planned for the production contracts of each?	The Government does not intend to share the level of funding to be applied to each Focus Area or how much is available for production.
2/11/2021	127	SLIDO	If we propose for all 3 focus areas are we still limited to 14 pages instead of 21?	Each Technical Focus Area solution has a maximum page count of 7 pages, for up to a maximum page count of 14.
2/11/2021	128	SLIDO	If a vendor proposes to more than one focus area are they limited to only 1 demo day at BOR?	The vendor demonstrations will be 1 day per vendor per focus area. Therefore, if a vendor provides a solution for two focus areas, 2 days will be made available.

2/11/2021	129	SLIDO	Can you repeat the answer to Pete Vangel's question regarding discussion on swim lane 2? Can we still have discussions since that RFS is not released?	The Government is interested in solutions that meet the maturity, capability, & architecture requirements specified in the RFS.
Industry Day Teams Chat Questions				
			So \$10M is total amount for this effort to be divided up amongst winners as customer sees fit?	Answered in Slido.
			Have asked on SLIDO as well, but it is a big question	N.A
			That question should be answered as we progress	N.A
			Where will the presentation slides be available?	Slides and recording will be available on the NSTXL STE LTS opportunity site.
			Thanks, Don. Many have asked outside this forum. Will be good to get clarity	N.A
			Slides and recording will be available on the NSTXL STE LTS opportunity site.	N.A
			Does that answer your question?	Need to clarify the question
			Sure does. \$10M for all efforts here in 21, \$20M in 22! Thanks, (1 liked)	Already answered in chat
			\$10M for STE LTS opportunity in 21 that is...	Already answered in chat
			Hmmm...No artillery?	The Government is seeking a total solution for direct fire, indirect fire or counter defilade engagement systems. The vendor should describe the technologies that are used by the proposed system and evaluate technical readiness level (TRL). The Government intends to evaluate the propose technologies and their maturity in context of direct fire solution, indirect fire solution or counter defilade solution.
			Baby steps.	N.A
			yes, we will also need it to replicate iaw time of flight....not when a fire marker can adjudicate time	N.A
			What is the architecture relationship to STE-IS?	Answered in Slido.
			Artillery and combat platforms are just variations on the requirement (size/weight/power and computation speed/ battlefield effects feedback). So yes, artillery and aviation. Sought but not required for this round.	The Government is seeking a total solution for direct fire, indirect fire or counter defilade engagement systems. The vendor should describe the technologies that are used by the proposed system and evaluate technical readiness level (TRL). The Government intends to evaluate the propose technologies and their maturity in context of direct fire solution, indirect fire solution or counter defilade solution.
			Live's perspective: best performers. Everywhere.	N.A
			Lasers are only one portion of the electromagnetic spectrum. Think: active versus passive sensing. All solutions are in play for consideration.	N.A
			IMILES has weaknesses. where those requirments driven?	Answered in Slido.
			Yes.	N.A
			Can we get briefer contact info as well?Would like to get an email phone for Marwane and follwing briefers...if its on a slide, no worries. each Thanks	N.A
			We will need to confer with the government team before releasing any POC information. Please keep in mind that we're in solicitation mode right now, so the government team will not be able to engage with industry. This piece is the same whether it's a FAR or OTA based contract. (2 liked)	N.A
			All communication/question/etc. should flow to and through NSTXL and ACC-Orlando. (1 liked)	N.A
			Understand, but revolutionary swim lane 2 is still not released yet...correct?	The Government is interested in solutions that meet the maturity, capability, & architecture requirements specified in the RFS. This requirement is focused on swim lanes 1 and 3. Anything beyond this requirement will be made available in the form of coming soon notices through TRex, RFIs, etc.
			who is the incumbent on IMILES? Who Developed the NEW Live Training Architecture?	There are multiple incumbents for the I-MILES product line. The Government developed the STE LTS FoF Target Architecture.
			Was under impression that a second OTA would be released for swim lane 2...so are we not allowed to discuss with STRI about revolutionary?	The Government is interested in solutions that meet the maturity, capability, & architecture requirements specified in the RFS. This requirement is focused on swim lanes 1 and 3. Anything beyond this requirement will be made available in the form of coming soon notices through TRex, RFIs, etc.
			Evaluation Team And selected advisers	N.A
			Does this include a representative from PEO Soldier (SL CFT)??	N.A.
			How many folks should vendors anticipate supporting at Big Oaks Ranch?	TBD.
			The government team can discuss further, but logistics will be provided to all down selected vendors. (1 liked)	N.A.
			Definitely put the proposal in.	N.A.
			Thank you!	N.A.
			If a vendor proposed all 3 Focus areas are they still limited to only 14 pages?	Each Technical Focus Area solution has a maximum page count of 7 pages, for up to a maximum page count of 14.
			We can coordinate that when we select the demo participants	Each Technical Focus Area solution has a maximum page count of 7 pages, for up to a maximum page count of 14.
			What is the architecture relationship to STE-IS?	Slide 23 from Industry Day depicts that STE LTS will leverage STE-IS capabilities in the future (not part of the current OTA).
			IMILES has weaknesses. where those requirments driven?	The Government is interested in solutions that meet the maturity, capability, & architecture requirements specified in the RFS.
			Understand, but revolutionary swim lane 2 is still not released yet...correct?	This requirement is focused on swim lanes 1 and 3. Anything beyond this requirement will be made available in the form of coming soon notices through TRex, RFIs, etc.
			Who Developed the NEW Live Training Architecture?	The Government developed the STE LTS FoF Target Architecture.

			Was under impression that a second OTA would be released for swim lane 2...so are we not allowed to discuss with STRI about revolutionary?	The Government is interested in solutions that meet the maturity, capability, & architecture requirements specified in the RFS. This requirement is focused on swim lanes 1 and 3. Anything beyond this requirement will be made available in the form of coming soon notices through TRex, RFIs, etc.
			If a vendor proposed all 3 Focus areas are they still limited to only 14 pages?	Each Technical Focus Area solution has a maximum page count of 7 pages, for up to a maximum page count of 14.
Start of new questions received				
2/12/2021	130	RFS	Are the phase 2 demonstrations going to be a live evaluation in a squad on squad environment with multiple kits, or simply a "parking lot" single use demo as previously described?	Phase 2 demonstration will have the vendor operate and demonstrate the capabilities of their system; no squad on squad activities will occur.
2/12/2021	131	RFS	We understand that the final negotiated price and SOW will be a Fixed Price contract, but what is meant by a fixed price ROM?	This should state ROM estimate. RFS will be updated to reflect this change
2/12/2021	132	RFS	What are you specifically looking for in the Demonstration Plan? How will we meet each objective during the demo or just the general set-up and configuration of the demo system?	How the vendor plans to demonstrate each of the objectives described in the RFS attachment and a timeline of events.
2/12/2021	133	RFS	What order of precedence will the award documents and attachments follow for this RFS and subsequent award(s)?	The Government will award multiple OTAs under this effort to support focus areas 1-3.
2/12/2021	134	RFS	If we have a revolutionary solution as defined in the roadmap, should we anticipate a future OTA we should be responding to? Or do you advise that we respond to this current OTA?	The Government is interested in solutions that meet the maturity, capability, & architecture requirements specified in the RFS. The Government intends to release another OTA in the future, however, it is the vendor's decision whether to respond to this RFS or wait for a future opportunity. The vendor should describe the technologies that are used by the proposed system and evaluate technical readiness level (TRL). The Government intends to evaluate the proposed technologies and their maturity in context of direct fire solution, indirect fire solution or counter defilade solution.
2/12/2021	135	RFS	What is the acquisition approach for a revolutionary solution?	The acquisition approach has not yet been determined for a revolutionary solution. ACC-ORL will provide industry updates as they are made available in the form of coming soon notices through TRex, RFIs, etc.
2/12/2021	136	RFS	Does a revolutionary approach only apply to Direct Fire or all 12 engagements?	The Government is interested in solutions that meet the maturity, capability, & architecture requirements specified in the RFS. The vendor should describe the technologies that are used by the proposed system and evaluate technical readiness level (TRL). The Government intends to evaluate the proposed technologies and their maturity in context of direct fire solution, indirect fire solution or counter defilade solution. However, this OTA is only focused on Tier 1 Engagements (Direct Fire, Indirect Fire, and counter defilade).
2/12/2021	137	RFS	It appears that non-laser solutions have a significant network dependency and need a high level of "Quality of Service." How is this being addressed?	The Government is seeking FoF solutions that integrate with current infrastructure to include LVC interoperability. The solution must interoperate with Live EXCON (CTIA) using fielded range network (ex LTE for CTCs) as the core broker of data between the live domain and virtual/constructive domain.
2/12/2021	138	STE-LTS-Request-for-Solutions-FINAL-	If there are common solutions between the Focus Areas in our solution, are we able to refer to the section of another Focus Area within a Focus Area?	No. Each vendor proposal should be self contained to the focus area it addresses.
2/12/2021	139	STE-LTS-Request-for-Solutions-FINAL-	There is a 7 page limit per Focus Area, but several questions being asked. Given the depth of information requested in the response, would the Government consider expanding the page count to 10 pages per Focus Area?	Each Technical Focus Area solution has a maximum page count of 7 pages, for up to a maximum page count of 14.
2/12/2021	140	STE-LTS-Q&A-27 Jan 2021	Will offerors that were asked to revalidate their 2019 STE Live FoF submission have that revalidated submission automatically considered by the Government in this competition?	The revalidated responses are unrelated to this RFS and will be addressed separately. No vendor will advance without RFS response submission.
2/12/2021	141	STE-LTS-Request-for-Solutions-FINAL-	Please confirm the wording in the paragraph. Are direct fire solutions required to demonstrate M-4 and M-240, but not necessarily shoulder fired munition?	Demonstrating any combination of the weapon list is acceptable.
2/12/2021	142	STE-LTS-Request-for-Solutions-FINAL-20210205.pdf	Given that no GFE will be provided for the demonstration, and that there are logistics challenges within the timeframe for a demonstration for M-240 and SLM, would the Government consider providing blanket exception under paragraph 4.2 for other than physical demonstration of M-240 and SLM?	Demonstrating any combination of the weapon list is acceptable. No blanket exceptions will be provided. However, the Government may choose by exception to allow the vendor to provide a virtual demonstration.
2/12/2021	143	STE-LTS-Request-for-Solutions-FINAL-	Can we demonstrate the M-240 in a dismounted position instead of being mounted on a vehicle?	Yes.
2/12/2021	144	STE-LTS-Request-for-Solutions-FINAL-	Would the Government consider allowing one additional page in the total count to be an 11"x17" fold-out in order to facilitate the detail desired in the conceptual diagram and reference architecture?	No.
2/12/2021	145	STE-LTS-Request-for-Solutions-FINAL-	Is it accurate to infer that the Government desires FSR direct support for all training events?	The Government has not yet determined FSR support requirements for STE LTS.
2/12/2021	146	STE-LTS-Request-for-Solutions-FINAL-	Please provide the evaluation methodology with respect to ROM, delivery schedule, data rights, and innovative unique--yet realistic and sustainable--approach, to include how these will be weighted as compared to maturity, architecture, and capability.	The Government will evaluate IAW the RFS.
2/12/2021	147	RFS-Attach-1-STE-LTS-FoF-DF-CDF-IDF-OTA-SoN-	Please provide a list of threshold list of post-event training evaluation tools desired for the AAR capability.	The Government will provide GFI on existing AAR capabilities after contract award.
2/12/2021	148	RFS-Attach-1-STE-LTS-FoF-DF-CDF-IDF-OTA-SoN-	Please explain the desired or acceptable simulation measure under Simulation of Counter Defilade Fires and Simulation of Indirect Fire Weapons for the engagement to be felt by all observers.	This should state ROM estimate. RFS will be updated to reflect this change

2/12/2021	149	RFS	Beginning in paragraph 1 of RFS three focus areas are listed and are then repeated throughout the RFS and several of the attachments to RFS. This makes paragraph 6.4 confusing. Are we correct to interpret the first sentence of RFS 6.4 as 7 pages for each focus area - 7 pages for Focus Area 1 and 14 pages for Focus Area 2 and Focus Area 3 combined - for a total of 21 pages?	Each Technical Focus Area solution has a maximum page count of 7 pages, for up to a maximum page count of 14.
2/12/2021	150	RFS	The RFS is unclear on what the deliverable is in quantity of systems is at the end of the OTA one year period of performance. In order to adequately price the OTA will the government provide the quantity of systems required after the Final Prototype Assessment.	The Government has not yet determined production or fielding quantities. We are only requesting a ROM not a full proposal as part of the RFS response.
2/12/2021	151	RFS	Are we correct to assume that our Demonstration Plan should include a description on how our solution will meet the demonstration objectives in attachment 2?	Yes
2/12/2021	152	RFS/Project Talk	Given that the RFS was released late by timeline (5 March), and that the industry day on 11 Feb provided critical clarification on the requirements, will the government extend the response period by a week?	No extensions are planned to in order to meet the timeline discussed during Industry Day.
2/12/2021	153	RFS Attachment	Are we correct to assume that vehicle requirements only apply to the M240?	Vehicle requirements apply to the M240 (mounted) and SLM (vehicle as target).
2/12/2021	154	RFS Attachment	If a vendor is proposing all three FAs, will they receive three full days to demonstrate their solutions, per the header information for each FA demo checklist/requirements?	The vendor demonstrations will be 1 day per vendor per focus area.
2/12/2021	155	RFS Attachment	Focus Areas 1 -3 speak to squad vs. squad effectiveness and efficiency. During the industry day a comment was made that for the demonstration Vendors would only be required to bring 1 prototype per proposed weapon system. Will the Government confirm that a minimum of 1 unit is required for the demonstration. Could Vendors bring additional quantities to the demonstration if proposed in our demonstration plan?	Vendors should bring the appropriate number of systems to adequately demonstrate their capabilities. The Government is not specifying a minimum number of systems that are required for the demonstration. This was an error on RFS Attachment 2 and will be corrected in an updated RFS Attachment 2.
2/12/2021	156	RFS Attachment	Will the Government provide the anticipated distances for near, medium, and max static and moving targets?	The ranges were provided as guidelines based on the weapons' maximum effective range. Near = ~25%, Medium = ~50% and Maximum = ~100% of the maximum effective range for each weapon.
2/12/2021	157	RFS Attachment	Will the Government clarify if max distances for static and moving targets are on point or area?	Point targets for direct fire weapons and area targets for indirect fire weapons.
2/12/2021	158	RFS Attachment	Will the Government confirm that engagements of static and moving targets will be done using dry fire?	This is dependent on the vendors solution as GFE will not be provided. Vendors should bring the appropriate equipment that adequately demonstrates their system capabilities.
2/12/2021	159	RFS Attachment	Will the Government clarify the speed of Moving Targets in [distance/time] format?	The intent of this objective is to evaluate the FoF solution ability to lead and hit moving targets at range. Targets should move at a speed that is representative of a live training exercise (e.g. walking and running speeds moving to cover).
2/12/2021	160	RFS Attachment	Will the Government confirm that the installation, initialization, and calibration / alignment - Vehicle is ONLY in reference to the weapon being used, and NOT to the vehicle detector kit being used?	The times provided include the vehicle detector(s), if that is part of the vendor solution.
2/12/2021	161	RFS Attachment	Is it correct to assume that automatic fire will be achieved using blanks in a GFE provided weapon (both M4 and M240) as these are not commonly available? Is it further correct to assume that "automatic fire" will be conducted at the sustained rate of fire for each weapon system for some number of bursts / rounds fired / time to be established by the Government?	The assumptions are not correct. GFE will not be provided. Vendors should bring the appropriate equipment that adequately demonstrates their system capabilities. Demonstration of automatic fire will use 5-8 round burst fire.
2/12/2021	162	RFS Attachment	Will the Government clarify how "efficiency" and "effectiveness" will be measured during the demonstration? What is a measure of each please?	There is no requirement for squad vs squad at the demonstration event. The RFS will be updated to reflect this change.
2/12/2021	163	RFS Attachment	How many shooters and targets are to be used concurrently to enable this "squad vs. squad" engagement to occur? Is it correct to assume that an infantry squad would have 2 M320's assigned therefore requiring 4 M320 solutions to be present for concurrent demonstration?	There is no requirement for squad vs squad at the demonstration event. The RFS will be updated to reflect this change.
2/12/2021	164	RFS Attachment	How in all instances does the Government intend to assess the effectiveness of a roll-off solution in any laser based solution demonstrated?	The Government will evaluate the ability of the system to hit targets in accordance with the objectives in RFS Attachment 2.
2/12/2021	165	RFS Attachment	How will the mortar 60mm be assessed in a hand fire mode? Will the Counter Defilade tasks be used due to the nature of employment of the weapon system?	The system should replicate both hand fire mode and using the tripod mount. Yes, the 60mm mortar should support counter defilade engagements.
2/12/2021	166	RFS Attachment	Will the Government be providing "restricted weapons and devices" to include M4s with Automatic capability, M240, M320, and mortar systems with controlled sighting/aiming devices, and required 5.56 loose, and 7.62mm link ammunition?	GFE will not be provided. Vendors should bring the appropriate equipment that adequately demonstrates their system capabilities.
2/12/2021	167	RFS	12-point Times New Roman fonts throughout their document, except in charts and figures. Is there a minimum font size for the tables, charts, and figures/graphics?	Font sizes for charts, figures, and tables shall not be less than size 10. This will be updated in the RFS.
2/12/2021	168	RFS	For the requirement in section 6.5.1.1 to "Clearly outline how the eligibility requirements of an OT (as specified under 10 U.S. C. § 2371b) are met within their response. The onus for proof that the Solution Response meets the conditions for award lies with the submitting vendor" is that all to be explained on the cover page?	Yes.
2/12/2021	169	RFS	What is anticipated place of performance (i.e. Gov. or Contractor site)? Are there interim demonstration locations that the Contractor is expected to travel to for this effort?	The Government anticipates using military facilities to conduct User Assessments and the Final Prototype Assessment. Contractor facilities are anticipated for initial stakeholder meeting, design review, and system development.
2/12/2021	170	RFS	Are you open to performers nominating locations in the Orlando area for the April demonstrations?	Not Necessary. The Government will coordinate the location(s) for the demonstration.

2/12/2021	171	RFS	Please clarify the intent of this solicitation. In the pre-release semi-industry day meeting the government made it clear that you were seeking an immediate solution capable of replacing laser-based systems (lines of effort 1 and 3), but the RFS appears to be focusing on line of effort 2 for R&D of a revolutionary solution. "System Maturity: The Government's definition of a mature system is a system that consists of capabilities/technologies with a level of maturity to allow for realization of a rapid prototype that can start replacing I-MILES within approximately two to five years."	The Government is interested in solutions that meet the maturity, capability, & architecture requirements specified in the RFS for swim lanes 1+3. The vendor should describe the technologies that are used by the proposed system and evaluate technical readiness level (TRL) . The Government intends to evaluate the proposed technologies and their maturity in context of direct fire solution, indirect fire solution or counter defilade solution.
2/12/2021	172	RFS	Can the Government specify what is meant by no safety risks. Are you seeking solutions that impose a minimum of safety risks? "How the proposed solution poses no hazards or safety risks." p. 12.	The system must be able to obtain an ATEC safety release for use by Soldiers to support demonstrations, testing, and training use.
2/12/2021	173	RFS	The RFS discusses performers conducting realistic casualty assessment in some sections but then references the casualty assessment module in LTEC. Is either solution permissible for the April demonstration?	Yes.
2/12/2021	174	RFS	Are you requiring GPR on our submissions of technical approach or on what we deliver once awarded?	The Government requests GPR on what is delivered once awarded.
2/12/2021	175	RFS	Is the M203 an acceptable surrogate for the M320 for purposes of the April demo?	Yes
2/12/2021	176	RFS	Based on what is described in the Indirect Fire portion of the solicitation, please confirm that the integration of live fire mortar rounds will not be part of this effort.	Live fire mortar rounds are not part of this effort.
2/12/2021	177	RFS	We would like clarification on the indirect fire use case. Are you seeking a solution that always mixes live fire into an impact area along with fire into a force-on-force training area? Or are you seeking a solution that will enable mortar teams to fully participate in live, force-on-force training?	The solution must support mortar teams participation in live FoF training.
2/12/2021	178	RFS	How do you foresee training when indirect fire weapons live munitions are not available or a unit has already expended their annual supply?	This OTA will provide a capability to train without the use of live ammunition for indirect fire weapons.
2/12/2021	179	RFS	Do you foresee having the mortars not within the LIVE playbox? Typical mortar ranges are ~3,490 meters for a M224A1 60MM and ~5,935 meters for an M252A1 81MM. Based on the indirect fire use case this predicates that the mortars are within max range of the impact area to fire live munitions this typical puts them outside of the LIVE force on force playbox. Can you clarify the use case for live munitions for indirect fire.	For FoF training the instrumented mortars are located inside the live maneuver area (playbox).
2/12/2021	180	RFS	What version of CTIA are you targeting for integration?	CTIA version 4 will be used for integration.
2/12/2021	181	RFS	For the Virtual and Constructive use integration the RFS Figure 1, you show them behind CTIA. Given that CTIA will be the middleware, what do you foresee as an offerors role in that integration?	The vendor needs to comply with IS-TESS standard to enable interface with the Live infrastructure and CTIA.
2/12/2021	182	RFS	In Attachment 2 of the RFS you state the demonstrations will take place at Big Oaks, Orlando FL, but in the primary RFS document you state that the demonstration will occur at a government selected Orlando, FL location. Are those two one and the same location?	It is anticipated that Big Oaks Ranch in the Orlando FL area will be utilized to perform the vendor demonstration.
2/12/2021	183	RFS	"The desired LTS end-state archives embedded training with dual use of tactical capabilities for training through integration with actual weapon systems, Mission Command Information Systems, and virtual and constructive training environments and systems." Should the sentence read "archives" be "achieves?"	Yes. RFS will be updated.
2/12/2021	184	RFS	In Section 6.5.1.3, the requirement for the Summary of Subcontractors states to "Include the same information as requested for FOCl above, excluding nontraditional business status." There is no detail provided for how the information for the FOCl is to be provided. Could the Government specify the information needed for the FOCl and Summary of Subcontractor sections.	A Vendor/Contractor Vetting Process Form will be included as an attachment to the RFS.
2/12/2021	185	RFS	Please clarify the page limit for the Technical Volume: In section 6.4 it states "Each Technical Focus Area solution has a maximum page count of 7 pages, for up to a maximum page count of 14." Can you clarify the breakdown of page allocation for the Focus Areas? Also, how should we include the additional response to the 13 questions required in section 6.5.1.4.1 into the total page response? Also, should Focus Area 2 and 3 be answered together since they're listed together in the RFS?	RFS will be updated.
2/12/2021	186	RFS	Should we assume the Assumptions section in Volume 1 is excluded from the page count?	Yes. RFS will be updated.
2/12/2021	187	RFS	Is all the safety release information (Section 6.5.1.5) required in the RFS response or would we expect to see this as part of the funded effort once awarded.	Safety Release information is not required until after award. RFS will be updated.
2/12/2021	188	RFS	There is a requirement to address GFI/GFE/GFF (Section 6.5.1.7), however, that is not included in the breakdown on page 9. Is the GFI/GFE/GFF section of the Technical volume excluded from the page count?	Yes this can be excluded from the page count. RFS will be updated.

2/12/2021	189	RFS	Can the government provide information on the existing player units and network infrastructure referenced in the RFS, to include capabilities and limitations on data bandwidth, update rates, latency and their effects on player counts.	The Government will provide this information after award.
2/12/2021	190	RFS	Section 6.5.2 states that we must provide a ROM for the below. What do the numbers below signify in the descriptions for each Force on Forces? Are these just types of FoF or quantities within each FoF they want priced out separately. "4. Provide a ROM for 1,000 / 10,000 / 100,000 Force on Force integrated, ready to use sets for direct fire training solutions. 5. Provide a ROM for 50 / 500 Force on Force integrated, ready to use sets for mortar training solutions. 6. Provide a ROM for 50 / 500 Force on Force integrated, ready to use sets for counter defilade fire training solutions."	Direct Fire: The Government is asking for ROMs for FoF simulation of M4 rifle engagements. Indirect Fire / 60mm: per tube, 20 each full sets of the HE rounds (eg M720) (includes multi option fuse (e.g. M734) and charges for each round) Indirect Fire / 81mm: per tube, 20 each full sets of the HE rounds (e.g. M252) (includes multi option fuse (e.g. M734) and charges for each round) Counter Defilade: For the M320, each system has 36 rounds of HE/Fragmentation.
2/12/2021	191	RFS	Are we just providing one ROM value for each of item 4,5 and 6? "4. Provide a ROM for 1,000 / 10,000 / 100,000 Force on Force integrated, ready to use sets for direct fire training solutions. 5. Provide a ROM for 50 / 500 Force on Force integrated, ready to use sets for mortar training solutions. 6. Provide a ROM for 50 / 500 Force on Force integrated, ready to use sets for counter defilade fire training solutions."	One ROM value should be provided for each quantity specified.
2/12/2021	192	RFS	In section 6.2, there is a requirement to provide ROM submission in Excel. What part of Volume 2 should be in Excel (Will Volume 2 be expected to be all in Excel or does any portion need to be in PDF)?	The Cover Page is acceptable in either PDF or Excel. The ROM should be provided in Excel with active formulas.
2/12/2021	193	SLIDO	What Mortar crew tasks (task number) need to be represented in STE LTS?	The Government wants to avoid negative training for mortar crews and will coordinate with selected vendors on specific Army Universal Task List tasks.
2/12/2021	194	SLIDO	How will pricing for production items be used? Is government planning to use ROM figures to establish ceiling prices for unexercised CLINS on the OTA contract?	The Government will use the ROM to have an estimated overall contract value. No ceilings will be based on the ROM information.
2/12/2021	195	SLIDO	What are the quantities that the government plans to field for the mortar capability?	The Government has not yet determined production or fielding quantities.
2/12/2021	196	SLIDO	What are the lessons learned from the current prototype OTAs? Which technologies posed challenges to TRL?	Prior Live STE OTA final prototype assessment report contains proprietary information and will not be released.
2/12/2021	197	SLIDO	Does use of the existing network infrastructure support the latency required by a direct fire solution?	The Government believes the current infrastructure will support direct fire engagements in near real time or close enough that there is no perceivable difference from a real engagement.
2/12/2021	198	SLIDO	Is GPS signal provided by the existing instrumentation systems sufficient and reliable for use in geopairing solutions for all weapon types?	The Government anticipates GPS signals may be degraded or not available in all Live training environments (e.g. heavily wooded areas, interior of buildings, underground tunnels).
2/12/2021	199	RFS	This Request for Solutions (RFS) is seeking to award up to \$10M in Other Transaction (OT) Agreement(s) to vendor(s) for the Synthetic Training Environment (STE) – Live Training System (LTS), in accordance with the authority of 10 USC §2371b. Question: What does the Government hope to purchase with the \$10M? What does the Government hope to purchase with the \$20M FY22 money? XX BDE sets (direct fire), XX indirect fire capabilities, XX counter defilade capabilities, XX number of surrogates... How long does the Government believe it will take to replace all IWS kits and SLMs?	The Government has not yet determined production or fielding quantities and timelines.
2/12/2021	200	RFS	"Elements of the STE-LTS architecture, such as direct fire engagement, counter defilade and indirect fire systems will interface with the current fielded live, virtual, and constructive systems as well as evolve to enable seamless interoperability with STE enabled systems such as STE-Information System (IS)". Question: When will industry be given the architecture data to fully understand the interfaces/modules/message traffic requirements of the future STE-LTS that we must integrate with?	The Government does not plan to integrate with STE-IS as part of this OT effort. However the vendor proposed solution has to be adhere to open architecture principals to allow for future interoperability with STE-IS.
2/12/2021	201	RFS	"The Government will not provide any GFE or GFP to support this demonstration". Question: Will the government provide Direct fire weapons (M4, M240), indirect fire equipment (60/81mm mortar base plate, tripod and site), vehicle w/M240 mount for the demo? CLU is required for Javelin demo. MK19 w/ancillary equipment. GFE parts and blanks are required to demo our solutions.	GFE will not be provided. Vendors should bring the appropriate equipment that adequately demonstrates their system capabilities.
2/12/2021	202	RFS	"Realism: System must: i. Penetrate concealment and overcome obscurants, iv. Conducts realistic causality assessment based on the location of the hit and provide feedback to relevant participants". Question: Can the Government provide more fidelity into what levels are acceptable? What is "good enough" to be considered acceptable? This RFS states that the capability "MUST". Government has stated that laser based systems are acceptable.	The Government requires physics-based munition trajectory simulations that will replace current I-MILES Probability of Hit (Ph)/Probability of Kill (Pk) tables.
2/12/2021	203	RFS	"Prime and sub-vendors proprietary software coding or hardware development (to include vendor licensing requirements) should not be included without prior Government approval". Question: Vendor X solution will assert IP rights and have software license requirements for our mature capabilities internally funded. At what point will we be notified or a decision be made on the acceptability of this option?	Vendor responses should clearly describe the offered rights for technical data and computer software that will be delivered with your solutions, using Attachment 5, Data Rights Assertion List. Vendors for the STE-LTS will be selected through a multi-phased competitive process as described in the RFS.
2/12/2021	204	RFS	"Solution Responses must be submitted no later than 12:00 PM Eastern Time on March 5, 2021". Question: Can vendor X have a 30 day extension on the RFS submission to provide better ROM figures?	No extensions are planned to in order to meet the timeline discussed during Industry Day.

2/12/2021	205	RFS	"Provide a ROM for 1,000 / 10,000 / 100,000 Force on Force integrated, ready to use sets for direct fire training solutions". Question: What is the weapon breakdown for a 1,000, 10,000, 100,000 ready to use sets? SON displays only an Infantry Platoon's table of equipment. Price changes dramatically for ballistic solutions on different weapon types.	The Government is asking for ROMs for FoF simulation of M4 rifle engagements.
2/12/2021	206	RFS	"Provide a ROM for 50 / 500 Force on Force integrated, ready to use sets for mortar training solutions". Question: How many rounds by type, fuze, charge is required for a ready to use set?	For 60mm, per tube, 20 each full sets of the HE rounds (e.g. M720) (includes multi option fuse (e.g. M734) and charges for each round)
2/12/2021	207	RFS	"Provide a ROM for 50 / 500 Force on Force integrated, ready to use sets for counter defilade fire training solutions". Question: How many rounds by type are required for a ready to use set?	81mm, per tube, 20 each full sets of the HE rounds (e.g. M252) (includes multi option fuse (e.g. M734) and charges for each round)
2/12/2021	208	Attachment 2: Demo Objectives Vendor	Question: Can the demo be shifted to the right to accommodate people and equipment required from outside CONUS to support an in-person event? Shipping delays and personnel travel issues are a consideration, specifically due to the very short window between notice of down-select and demonstration.	No delays are planned to in order to meet the timeline discussed during Industry Day. The Government may be able to accommodate OCONUS vendors by scheduling their demos towards the end of the schedule to accommodate equipment coming through customs and travel.
2/12/2021	209	Attachment 2: Demo Objectives Vendor	Question: Can industry have multiple, consecutive demo days if we responding to multiple focus area awards?	The vendor demonstrations will be 1 day per vendor per focus area.
2/12/2021	210	Attachment 2: Demo Objectives Vendor	"WE006 Demonstrate installation, initialization, and calibration / alignment - Vehicle D". Question: Is this meant for vehicle mounted M240? SLM Targets?	Yes. SLM targets will be vehicles if vehicle kits are available. If no vehicle kits are available dismounts are acceptable as targets.
2/12/2021	211	Attachment 2: Demo Objectives Vendor	"SF002 Demonstrate squad vs squad exercise realism". Question: Government to confirm this is not part of the Big Oaks Demonstration, this is a post award event?	The Government eliminated the field demo as a pre-award requirement. This requirement will be removed in the amendment.
2/12/2021	212	S 6.1, 6.4 & 6.5	There are contradictions when comparing 6.1 and 6.4, to section 6.5.1.4; whereas 6.1 and 6.4 indicate that the proposal development schedule is not included in the page count. However, "6.5.1.4 - Technical Approach" is included in the page count and does require that we include the proposal development schedule in that section.	The development schedule is not part of the page count. The RFS will be updated.