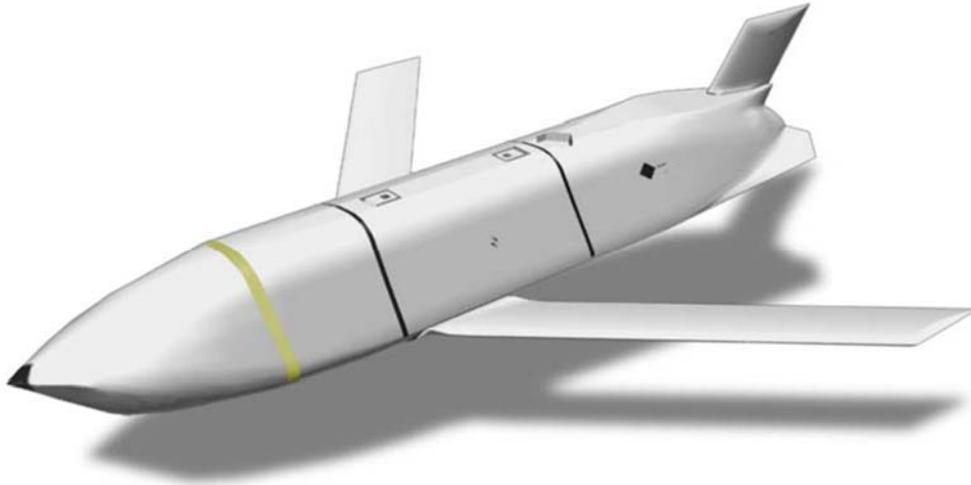


## JASSM FMS Checklist

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### Foreign Military Sales (FMS) Checklist for Preparing a Letter of Request (LOR) for Joint Air to Surface Stand-Off Missile (JASSM)

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**THIS JASSM FMS CHECKLIST WILL BE USED TO CAPTURE REQUIREMENTS AND DEVELOP A LETTER OF REQUEST (LOR). AS SUCH, IT SHOULD NOT BE CHANGED WITHOUT REVIEW AND AGREEMENT BY ALL STAKEHOLDERS BEFORE A LETTER OF OFFER AND ACCEPTANCE (LOA) IS SIGNED.**

**CONTACT THE LONG RANGE SYSTEMS INTERNATIONAL BRANCH (AFLCMC/EBJI) FOR ASSISTANCE IN COMPLETING THIS CHECKLIST. SEE PARAGRAPH SECTION 9, INTRODUCTION, FOR FURTHER GUIDANCE.**

**Please ensure no classified information is included with the completed checklists. Classified information should be provided to your Command Country Manager through appropriate channels.**

**Receipt of this checklist by the US Government does not constitute an agreement to sell. Final configuration and offer of sale is subject to USG Approval.**

#### **Distribution Statement A**

**Approved for public release; distribution is unlimited 96TW-2018-0329**

# JASSM FMS Checklist

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## JASSM FMS Checklist

1.0	PARTNER AND LOA GENERAL INFORMATION		
1.1	Purchasing Country:		
1.2	Name of Primary Country Contact for JASSM Requirements:		
1.3	Country Contact's Position:		
1.4	Country Contact's Title/Rank/Grade:		
1.5	Country Contact Can Be Reached: (tel)		
	(email)		
	(post)		
1.6	SAPM for LOA		
1.7	Case Designator (if established):		
1.8	Name of SAPM Primary Contact for JASSM Requirements:		
1.9	SAPM Contact's Position:		
1.10	SAPM Contact's Title/Rank/Grade:		
1.11	SAPM Contact Can Be Reached: (tel)		
	(email)		
	(post)		
2.0	TRAINING AND TRANSPORTATION REQUIREMENTS	YES	NO
	What other types of equipment, support, or services are being considered and how do you plan on acquiring them?		
	2.0.1 Support/Sustainment	<input type="checkbox"/>	<input type="checkbox"/>
	2.0.2 Training/Simulation Modules	<input type="checkbox"/>	<input type="checkbox"/>
	2.0.3 Defense Contract Management Agency (DCMA)	<input type="checkbox"/>	<input type="checkbox"/>
	2.0.4 National Geospatial-Intelligence Agency (NGA)	<input type="checkbox"/>	
	2.0.5 Site Survey	<input type="checkbox"/>	<input type="checkbox"/>
	2.0.6 National Security Agency (NSA)	<input type="checkbox"/>	
	2.0.7 Defense Intelligence Agency (DIA)	<input type="checkbox"/>	
	2.0.8 Weaponeeing/Targeting/Collateral Damage	<input type="checkbox"/>	
2.1	Do you have an existing agreement with NGA?	<input type="checkbox"/>	<input type="checkbox"/>
2.2	Does the LOR contain training requirements?	<input type="checkbox"/>	<input type="checkbox"/>
2.3	Do you have a Freight Forwarder identified for transportation of goods and services?	<input type="checkbox"/>	<input type="checkbox"/>
2.4	Is your freight forwarder registered with the US Department of State?	<input type="checkbox"/>	<input type="checkbox"/>
2.5	Have you addressed the need for Special Assignment Airlift Missions (SAAMs) utilizing	<input type="checkbox"/>	<input type="checkbox"/>
2.6	Does the LOR address mission planning training?	<input type="checkbox"/>	<input type="checkbox"/>
3.0	SCHEDULE REQUIREMENTS		
3.1	LOA acceptance time frame:		
3.2	Month/Year of Initial or Full Operational Capability at Primary Operating Base:		
3.3	Month/Year of Full Operational Capability at All Locations:		
3.4	Other Schedule Needs:		
4.0	EQUIPMENT REQUIREMENTS	Quantity	
4.1	Number of warstock All-Up Rounds (AUR) of JASSM required?		
4.2	Number of Training units required?		
4.3	Number of Test units required? Note that testing will be conducted in the United States		
4.4	Are you requesting a missile warranty?	<input type="checkbox"/>	<input type="checkbox"/>

## JASSM FMS Checklist

4.5	Is JMPS already in use for other systems?	YES <input type="checkbox"/>	NO <input type="checkbox"/>
4.6	Is CMBRE already in use for other systems?	<input type="checkbox"/>	<input type="checkbox"/>
4.7	Have you addressed support equipment that you already have on site to support	<input type="checkbox"/>	<input type="checkbox"/>
4.8	Are you able to deploy your aircraft and personnel to the US for testing?	<input type="checkbox"/>	<input type="checkbox"/>
4.9	Have you addressed the support equipment required to handle and load JASSM?	<input type="checkbox"/>	<input type="checkbox"/>
5.0	<b>BASING AND SUPPORT REQUIREMENTS</b>		
5.1	Does the LOR contain the number of basing locations?	<input type="checkbox"/>	<input type="checkbox"/>
5.2	Base or Location:		
5.3	Base or Location:		
5.4	Base or Location:		
5.5	Base or Location:		
5.6	Does the LOR contain information for the employment and other training facilities?	<input type="checkbox"/>	<input type="checkbox"/>
5.7	Base or Location:		
5.8	Base or Location:		
5.9	Does the LOR contain information for the mission planning facility?	<input type="checkbox"/>	<input type="checkbox"/>
5.10	Base or Location:		
5.11	Please indicate a time frame for conducting a site survey at each location		
5.12	Familiarization Training of Host Country Operators	(# personnel)	
5.13	Does the LOR address a software sustainment plan?	<input type="checkbox"/>	<input type="checkbox"/>
5.14	Other Support Requirements:		
6.0	<b>TECHNICAL ORDERS (TO)</b>		
6.1	Has a Technical Orders (TO) account been previously established?	<input type="checkbox"/>	<input type="checkbox"/>
6.2	Please indicate preferred format of your TO publications (paper/digital)		
6.3	Does the LOR address the number of hard and soft copies of the Country Specific Technical Orders (CSTO)?	(yes/no) <input type="checkbox"/>	<input type="checkbox"/>
6.4	Does the LOR address the number and type of the standard USAF technical orders?	(yes/no) <input type="checkbox"/>	<input type="checkbox"/>
7.0	<b>OTHER REQUIREMENTS</b>		
7.1	***Aircraft Variant, Block, and Configuration (e.g., F-16C/D, Block 52)***		
7.2	First A/C, Block, Config:	(OFP Suite/Tape)	
7.3	Second A/C, Block, Config:	(OFP Suite/Tape)	
7.4	Third A/C, Block, Config:	(OFP Suite/Tape)	
7.5	Additional US or Non-US A/C, Blocks, or Config's? (If so, create addendum.) (yes/no)	<input type="checkbox"/>	<input type="checkbox"/>
7.6	Required services Above Standard Levels of Service (specify):		
8.0	<b>INTELLIGENCE PERSONNEL TRAINING</b>		
8.1	Will Unit Level Intelligence (ULI) personnel support this aircraft?	<input type="checkbox"/>	<input type="checkbox"/>
8.2	Does the country have an intelligence architecture?	<input type="checkbox"/>	<input type="checkbox"/>
8.3	Do they currently have capabilities to perform targeting?	<input type="checkbox"/>	<input type="checkbox"/>
8.4	Do they currently have capabilities to perform pre-mission or post-mission briefing?	<input type="checkbox"/>	<input type="checkbox"/>

## JASSM FMS Checklist

8.5	Do they currently have capabilities to perform mission planning support?	YES <input type="checkbox"/>	NO <input type="checkbox"/>
8.6	Has the country acquired intelligence support from the US in the past?	<input type="checkbox"/>	<input type="checkbox"/>
9.0	GENERAL MILITARY INTELLIGENCE SUPPORT		
9.1	Will the country produce OB information for mission planning?	<input type="checkbox"/>	<input type="checkbox"/>
9.2	Do they currently have capabilities to perform mission planning support?	<input type="checkbox"/>	<input type="checkbox"/>
9.3	Will the country receive OB from the US for mission planning and/or targeting?	<input type="checkbox"/>	<input type="checkbox"/>
9.4	Is OB maintained on a secure Information Technology system?	<input type="checkbox"/>	<input type="checkbox"/>
9.5	Is OB accessible by the mission planning facility?	<input type="checkbox"/>	<input type="checkbox"/>
10.0	TARGETING		
10.1	Does the country have an existing intelligence and targeting infrastructure in place?	<input type="checkbox"/>	<input type="checkbox"/>
10.2	Does the country have a Weaponering Estimation capability either through the USG, another partner nation, or indigenous?	<input type="checkbox"/>	<input type="checkbox"/>
10.3	Does the country have Target Coordinate Mensuration capability either through the USG, another partner nation, or indigenous?	<input type="checkbox"/>	<input type="checkbox"/>
10.4	Does the country have Collateral Damage Estimation capability either through the USG, another partner nation, or indigenous?	<input type="checkbox"/>	<input type="checkbox"/>
10.5	Does the country have the capabilities to conduct mission planning for JASSM?	<input type="checkbox"/>	<input type="checkbox"/>
10.6	Does the country have the capabilities to construct Terminal Area Models for JASSM employment?	<input type="checkbox"/>	<input type="checkbox"/>
10.7	Has the country, to include Mobile Training Teams (MTTs), previously received USG training (FMS, FMF, IMET, BPS, etc.) Target Coordinate Mensuration, Collateral Damage Estimation or other related training to address the skills necessary to properly and safely employ A/G weapons?	<input type="checkbox"/>	<input type="checkbox"/>
10.8	Will Unit Level Intelligence (ULI) personnel support this weapon?	<input type="checkbox"/>	<input type="checkbox"/>

### 11.0 JASSM DESCRIPTION

The Joint Air-to-Surface Standoff Missile (JASSM) is an autonomous, air-to-ground, precision-guided standoff missile designed to meet the needs of U.S. and allied warfighters. Armed with a penetrator and blast fragmentation warhead, JASSM cruises autonomously, day or night in all weather conditions. The missile employs an infrared seeker and enhanced digital anti-jam Global Positioning System to find specific points on targets.

JASSM acts as a force multiplier. JASSM's high precision and survivability enable the missile to effectively meet mission objectives with fewer assets than other legacy weapons and to minimize collateral damage to civilians/noncombatants. The missile's effectiveness reduces the number of weapons required to destroy a target, the number of sorties required, and friendly attrition by lowering the number of missions required to directly attack high threat target sets.

### 12.0 INSTRUCTIONS FOR SPECIFYING REQUIREMENTS IN SECTIONS 1 - 7

#### Instructions for Specifying Requirements

1.0 Partner and General LOA Information. The terms "partner" and "purchaser" found here and elsewhere in the checklist are synonymous with the name of the "country" purchasing JASSM.

# JASSM FMS Checklist

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- 1.1 Enter the full name of the country purchasing JASSM as it will be shown in English on the LOA.
  - 1.2 Enter the name using simple English lettering of the primary person, representing the purchasing country, who will work on finalizing requirements for the LOA.
  - 1.3 Enter the contact's position or "job title" so that it is clear how this person relates to other officials in the purchasing country.
  - 1.4 Enter the contact's title and/or rank or grade so that it is clear how to address the person.
  - 1.5 Enter the best telephone number to reach the contact. Suggest best hours to reach the contact. Be sure to enter the country code and inland area codes with full exchange and extension. The contact might have a US number, but that might not be obvious. Enter a reliable, official email address for the contact, if available. Try to avoid using commercial email addresses. Enter the complete postal address for document delivery.
  - 1.6 Identify the US program office that manages the sale of aircraft or other equipment and that is the steward of the LOA.
  - 1.7 Enter the FMS case designator, if it has been established.
  - 1.8 Enter the SAPM's primary point of contact to finalize JASSM requirements.
  - 1.9 Enter the SAPM contact's position title.
  - 1.10 Enter the grade, rank, or title of the SAPM contact. Also, enter the contact's desired form of address.
  - 1.11 Enter the SAPM contact's communication links as shown.
- 2.0 Training and Transportation Requirements. This section will capture desired user training requirements and the first discussion of transportation requirements. Items in this section relate to the equipment and basing requirements in sections 4.0 and 5.0. Fill out section 2.0 first, then follow instructions for sections 4.0 and 5.0 to ensure harmony with desired capabilities.
- 2.1 Do you, the purchaser, have an existing agreement with the National Geospatial-Intelligence Agency (NGA), possibly for a different weapon system?
  - 2.2 Have you assessed training requirements in the Letter of Request (LOR)? Adequately anticipating training requirements early in the process can reduce delays later in the process.
  - 2.3 Have you identified a freight forwarder for deliveries of the JASSMAURs?
  - 2.4 If you have identified a freight forwarder, is it registered with the US Department of State? This will make it easier to ship AURs once they finish production.
  - 2.5 Will Special Assignment Airlift Missions (SAAMs) be used for delivery of AURs? Early identification of shipping methods will reduce difficulties later in the schedule.
  - 2.6 Mission planning training will be time consuming and will require significant coordination. Planning for this training should begin early in the process.
- 3.0 Schedule Requirements
- 3.1 Within several months after the LOA is signed, a contract will be signed for the production of articles, the integration program of JASSM onto aircraft, and other related efforts. Additional sites (if any) will typically be installed in a matter of a few to several weeks each.
  - 3.2 What is the desired timeframe for having either initial or full capability (please specify) at the primary operating base? This is not a guarantee that this schedule can be met, but rather this information will be used for planning purposes across the entire JASSM program to help balance all user requirements.
  - 3.3 What is the desired timeframe for having full capability at the all operating bases? This is not a guarantee that this schedule can be met, but rather this information will be used for

# JASSM FMS Checklist

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planning purposes across the entire JASSM program to help balance all user requirements.

3.4 Please identify any additional schedule needs and requirements.

## 4.0 Equipment Requirements

- 4.1 How many tactical JASSM AURs are requested? This does not include training, test, or other non-tactical articles. Non-tactical JASSM articles will be determined by the scope of the integration effort.
- 4.2 What is the estimate of training units that is requested? This estimate will be compared to that of the program office and the integrator to optimize the training effort.
- 4.3 The number of test units will depend on a variety of factors, including the aircraft on which the JASSM is planned to be integrated. Initial expectations will be that test missiles will be needed for successful integration.
- 4.4 Missile warranties, if requested, will need to be priced.
- 4.5 Do you use the Joint Mission Planning System (JMPS) for other weapon systems? Planning will need to be made for JPMS usage with JASSM.
- 4.6 Do you use the Common Munitions BIT and Reprogramming Equipment (CMBRE) for other weapon systems? Planning will need to be made for CMBRE usage with JASSM.
- 4.7 What support equipment do you currently have that can be used for JASSM support? Identifying such equipment or the lack of equipment early will reduce the number of issues later in the effort.
- 4.8 Testing will occur in the United States. Early planning can help to reduce schedule conflicts later in the program when testing is planned.
- 4.9 Other equipment such as loading and handling equipment will be necessary. Please identify what or if additional items will be needed.

5.0 Basing and Support Requirements. This section allows for multiple bases or other locations (e.g., headquarters) (5.1 – 5.10) to receive JASSM in case more than one is required. Consider using the available lines for basing to identify distinct organizations (e.g., squadrons), on one base, that will require a distinct installation of JASSM.

- 5.11 A site survey will be necessary for each location prior to the delivery of JASSM.
- 5.12 Indicate a timeframe for familiarization training for JASSM operators. This should be prior to JASSM deliveries.
- 5.13 The software for JASSM is updated on a regular basis. Future updates to AURs, training units, and other systems need to be addressed.
- 5.14 If there are other support requirements specific to the country, identify them here.

6.0 Technical Orders. Technical Orders (TOs) will be supplied as part of the contract.

- 6.1 Indicate whether or not an account has previously been established.
- 6.2 Indicate preference for the recommended format of the TOs.
- 6.3 Does the LOR address the recommended number of copies of the Country Specific Technical Orders (CSTOs) for JASSM?
- 6.4 Does the LOR address the recommended number of copies of the standard USAF TOs for JASSM support and support related equipment?

7.0 Other Requirements.

- 7.1 Enter the indicated information for US fighter aircraft.
- 7.2 Enter the indicated information for US fighter aircraft.
- 7.3 Enter the indicated information for US fighter aircraft.
- 7.4 Enter the indicated information for US fighter aircraft.

## JASSM FMS Checklist

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- 7.5 Enter information for additional US fighter aircraft or for non-US aircraft. If the aircraft are not US fighter variants, a more extensive integration effort will be required.
- 7.6 Please enter other requirements as needed.

## JASSM FMS Checklist

### 13. ABBREVIATIONS AND ACRONYMS

A/C	Aircraft
AFLCMC	Air Force Life Cycle Management Center
AUR	All-Up Round
BIT	Built-In Test
CMBRE	Common Munitions BIT and Reprogramming Equipment
Config	Configuration
CSTO	Country Specific Technical Orders
Distr	Distribution
DCS	Direct Commercial Sale
DoD	Department of Defense (US)
EB	Armament Directorate of AFLCMC (AFLCMC/EB)
EBJ	Long Range Systems Division of AFLCMC/EB (AFLCMC/EBJ)
EBJI	Long Range Systems International Branch (AFLCMC/EBJI)
GPS	Global Positioning System
JASSM	Joint Air-to-Surface Standoff Missile
JMPS	Joint Mission Planning System
LOA	Letter of Offer and Acceptance
LOR	Letter of Request
MIL-STD	Military Standard
MP	Mission Planning

## JASSM FMS Checklist

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NGA	National Geospatial-Intelligence Agency
P&A	Price (Pricing) and Availability
SAAM	Special Assignment Airlift Mission
SAPM	Security Assistance Program Manager
Sim	Simulation
Spec	Specification
Std	Standard
Tel	Telephone
TO	Technical Orders
US	United States
USAF	United States Air Force
USN	United States Navy