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Section 1 MATERIAL DESCRIPTION & PURPOSE

1. Requestor (Name/Position Title) Derek Ferwerda / Fuel Containment Engineer		2. Company/Organization/Code NAWCADLKE 4353	3. Desired Release Date Jan 3, 2017
4. Telephone Number 732-323-1129	5. Fax Number 732-323-7219	6. E-mail Address derek.ferwerda@navy.mil	
7. Work Address Code 4353, Bldg. 120-3 JB-MDL, NJ 08733		8. Material Title Aerial Refueling Clearance Initiation Request	
9. List all contributing organizations (Programs/Codes/Services) whose subject matter is discussed in this material NAWCADLKE 4353 and USAF AFLCMC/EZFA.			
10. Information Category (Check all that apply)			
☐ Brief ☒ Documents ☐ Thesis ☐ Press Release ☐ Video ☐ Abstract ☐ Photo/Graphics/Display ☐ Other (Specify) _____ ☐ Related Contract Number _____			
11. Proposed Venue and Date(s), or Publication for which this material has been prepared			
The purpose of this generic guidance document is to support the aerial refueling clearance process by recommending the minimum information required to initiate the aerial refueling clearance process between tanker and receiver agencies.			
12. Does NAVAIR have primary release authority for this material?			
☒ YES If NO, you must identify and obtain Public Release Authorization from the command(s) contributing to this material. ☐ NO			

Section 2 REQUESTOR

I have reviewed all the applicable security classification guidance, contractual rights, MCTL, CPI list (if applicable) and other pertinent references related to this material. Based on my review, I have determined the material does not contain any classified, controlled unclassified, export controlled, trademarked or proprietary information and determined this material is suitable for public release. I have received release approval from other relevant organizations and am including documentation

1. Print Name & Digitally Sign Below Derek Ferwerda	a. Organization NAWCADLKE	b. Telephone Number 732-323-1129	c. Date Received	d. Date Completed
FERWERDA.DEREK.S.1249700181				

Digitally signed by FERWERDA.DEREK.S.1249700181
DN: cn=Derek Ferwerda, o=NAWCADLKE, ou=NAWCADLKE, email=Derek.Ferwerda@navy.mil, c=US
Date: 2016.11.23 14:28:29 -0500

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1. Primary Sponsor - Print Name & Digitally Sign Below Steve McLaughlin	a. Organization NAWCADLKE	b. Telephone Number 732-323-4058	c. Date Received 11/22/16	d. Date Completed 11/22/16
MCLAUGHLIN.STEVE.JAMES.1239474086				
2. Program Authorization - Print Name & Digitally Sign Below Farhad Choudhury				
a. Organization NAVAIR	b. Telephone Number 732-323-7121	c. Date Received 11/22/16	d. Date Completed 11/23/16	
CHOUDHURY.FARHAD.H.1228733209				

Digitally signed by CHOUDHURY.FARHAD.H.1228733209
DN: cn=Farhad Choudhury, o=NAVAIR, ou=NAVAIR, email=Farhad.Choudhury@navy.mil, c=US
Date: 2016.11.23 11:16:33 -0500

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13. SUPPLEMENTARY NOTES ARSAG is the DOD Joint Standardization Board (JSB) for Aerial Refueling Systems as chartered by DSPO						
14. ABSTRACT This document is intended to support the aerial refueling clearance process by recommending the minimum information required to initiate the aerial refueling clearance process between tanker and receiver agencies. The AR Clearance Initiation Request document recognizes the requirement for definitive aerial refueling agreements between cooperating organizations or nations. Aerial refueling support agreements may include monetary agreements, contracted commercial tanker support agreements and contractual tanker support requests from one organization or nation to another. The AR Clearance Initiation Request document is not intended to include directions for the development or content of these contractual agreements.						
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ARSAG

AERIAL REFUELING SYSTEMS ADVISORY GROUP

Guidance Document

AERIAL REFUELING CLEARANCE INITIATION REQUEST

Document Number 16-88-98R
Date 14 July 2016



[Signed]

ARSAG Executive Director
Dexter H. Kalt

[Signed]

ARSAG Secretary
Col Gomer C. Custer, USAF, ret.

[Signed]

Thomas Swiderek, Omega Air
Working Group Lead
Group Number 5

[Signed]

Thomas Swiderek, Omega Air
Document Manager

[Signed]

David A Benson, AFLCMC/EZFA
Chairman, Joint Standardization
Board (JSB) for Aerial Refueling
Systems

[Signed]

Farhad Choudhury, NAVAIR
Deputy Chairman, Joint Standardization
Board (JSB) for Aerial Refueling
Systems

Distribution Statement: This is an ARSAG Document prepared by a group of international contributors during scheduled ARSAG Workshop Sessions. This ARSAG document is intended to provide guidance derived from lessons learned and offer aerial refueling tanker/receiver interface guidance regarding standardization of aerial refueling systems. It is distributed to promote consistent, unambiguous communication among the international aerial refueling community. It does not contain proprietary, sensitive, classified or otherwise restricted information. ARSAG documents, as prepared, are not DOD, MOD or NATO standards, but provide recommendations regarding aerial refueling systems to United States military services, their allied military organizations involved in aerial refueling and their associated contractors. This document is suitable for release in the public domain; it may be included in DOD and NATO databases such as ASSIST, DTIC, Military Specifications, SRDs, STANAGs, etc. Contact: arsaginc@earthlink.net or 937 760-7407.

ARSAG is chartered by the DOD as the Joint Standardization Board for Aerial Refueling Systems



RECORD OF REVISIONS

REVISION	DATE	REASON FOR REVISION
1	14 July 2016	Scheduled up-date and new standardized format. New ARSAG Distribution Statement, 1 Mar 2016.



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Project Initiation Form

ARSAG Workshop / DOD Joint Standardization Board (JSB) for Aerial Refueling Systems
PROJECT INITIATION FORM
(PIF)

1. PROJECT SPONSOR OR INITIATING AGENCY			
<i>(This section to be filled out by the requester)</i>			
Name of Individual:	DEXTER H. KALT		
Name of Organization:	ARSAG		
POC Information:	Phone: 937-2879790	E-mail:	dhkalt35@outlook.com
2. PROJECT REQUEST			
<i>(This section to be filled out by the requester)</i>			
Project Purpose:	Provide organizations desiring aerial refueling tanker and or receiver aircraft support a guide for requesting that support from another agency. Update the existing ARSAG guide clearance request document approved at the 1998 ARSAG annual meeting.		
Project Title:	AERIAL REFUELING CLEARANCE INITATION REQUEST		
Product Outcome: (Check One)	ARSAG DOCUMENT:		
	Guide Document	X	Recommendation Letter
	INPUT TO DOD STANDARDIZATION DOCUMENT:		
	Specification	Standard	JSSG Other
	INPUT TO NATO DOCUMENT:		
	STANAG	STANREC	Allied Publications
INPUT TO INDUSTRY DOCUMENT:			
Standard Other			
3. PROJECT TIMELINE			
<i>(This section to be filled out by the requester)</i>			
Project Request Submittal Date:		16 JUNE 2015	
Requested Completion Date:		24 SEPTEMBER 2015	
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<i>(This section to be filled out by ARSAG)</i>			
Project Request Receipt Date:		16 JUNE 2015	
Project Disposition:			Approved:
			Yes No
	JSB Chair (Farhad Choudhury, NAVAIR)		X
	JSB Deputy Chair (Dave Benson, AFLCMC/EZFA)		X
ARSAG Executive Director (Dex Kalt)		X	
Priority Assessment:	Priority	1	
Project Number Assignment:	Project Number	16-88-98RWD	
Working Group Assignment:	ARSAG/JSB Working Group Number	5	
Response to Project Sponsor or Initiating Agency:	ARSAG Official Response Date	D. H. Kalt, Exec. Dir. 30 June 2015	
Transition to ARSAG/JSB Working Group No.	Tom Swiderek 5	Date	30 June 2015

Form Version 3.0 Dated: 17 June 2015

Submit to ARSAG Executive Director at arsaginc@earthlink.net



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Like all ARSAG recommendation documents, this effort was accomplished under the direct guidance and support of ARSAG leadership and with the focused efforts of ARSAG team members.

Keith Hewitt provided support for the publication of the original document and its eventual publication in ATP-56 (B).

Workgroup 5 spent several Workgroup/JSB sessions reviewing and updating dozens of draft versions and obtained significant support from Jessica Graham. When determining the content and scope of this document, Workgroup 5 considered and incorporated other ARSAG recommendations to ensure the consistency and relevancy of all ARSAG products.



Foreword

The procedures for obtaining aerial refueling clearances vary between nations and military services with a myriad of requirements, capabilities, and equipment for the building blocks that create many unique situations. In addition, variables such as operational requirements or existing technical data issues can impact the overall complexity. The information contained in this document is written to be used in conjunction with and supporting the ARSAG Aerial Refueling Clearance Process Guide, the Standardized Technical Data Survey and the Test Methods Guide.

Purpose

This document is intended to support the entire aerial refueling clearance process by recommending the minimum information required to initiate the aerial refueling clearance process between tanker and receiver agencies.

Scope

The AR Clearance Initiation Request document recognizes the requirement for definitive aerial refueling agreements between cooperating organizations or nations. Aerial refueling support agreements may include monetary agreements, contracted commercial tanker support agreements and contractual tanker support requests from one organization or nation to another. The AR Clearance Initiation Request document is not intended to include directions for the development or content of these contractual agreements.



Terms and Definitions

ARSAG	Aerial Refueling Systems Advisory Group, International
AR	Aerial Refueling
AAR	Air-to-Air Refueling
AR Boom	Tanker fuel delivery system via telescoping tubes and flying surfaces.
AR Drogue/Hose Reel	Tanker delivery system via , take-up reel, hose MA 2, 3, 4 coupling and hose stabilizing drogue
BDA	Boom-to-Drogue Adaptor Kit. Used to permit probe refueling from a boom equipped tanker through an adaptor kit attached to the boom. (No in-flight conversion to boom is possible once BDA kit installed.)
NVG	Night Vision Goggles
OEM	Original Equipment Manufacturer
Probe/Nozzle/Mast	Receiver system for accepting the tanker coupling
Receiver aircraft	An aircraft that receives fuel from a compatible tanker aircraft.
Receptacle/UARRSI	Receiver system for accepting tanker boom equipped nozzle. Includes the Universal Aerial Refueling Receptacle Slipway Installation (UARRSI)
SRD	Standards Related Document
STDS	Standardized Technical Data Survey
Tanker Aircraft	An aircraft that carries extra fuel available for transfer to a receiver aircraft.



Reference Documents

ARSAG Ref #	ARSAG Reference Title & NATO Reference Title	Date Promulgation Date
43-08-14	Aerial Refueling (AR) Clearance Process Guide with Attachment AR Tanker/Receiver Clearance Compatibility Assessment Checklist.	21 Aug 2014
	ATP 3.3.4.2 SRD 1 - Guide to Obtaining AAR Refuelling Clearances & Compatibility Certification	NATO Pending
17-81-03R	Standardized Technical Data Survey (STDS)	Apr 2014
03-00-03R	Aerial Refueling Pressure Definitions and Terms, Design and Verification Guidance	21 Sep 2010
41-09-15	Aerial Refueling Test Methods Guide	13 Apr 2015
01-98-14R	Aerial Refueling Equipment Probe/Drogue Interface Characteristics.	Apr 2014
	NATO ATP 3.3.4.6 (STANAG 3447 Ed5)	At NSO for staffing – expected to go under silence 12 Feb 2016 for 6 weeks
02-88-13	Aerial Refueling Equipment Boom Receptacle System and Interface Requirements.	8 Jul 2012
	NATO ATP 3.3.4.5 Ed.A. Ver 1 (STANAG 7191)	4 Jun 2013
05a-06-11	Aerial Refueling Drogue System Status Lights	April 2013
	NATO ATP 3.3.4.7 (STANAG 7215)	2 April 2013
07-88-95	Aerial Refueling Operating Procedures ATP-56	Sep 1995
	NATO ATP 3.3.4.2, Air to Air Refuelling Ed C Ver 1 Edition D accepting edits through April 2016. Expected Promulgation Sep 2016.	Nov 2013



1.0 Information to Include

The following information is the minimum recommended to initiate the aerial refueling clearance process (attach additional information as necessary). This process can be initiated by either the tanker or receiver organization. A fully completed document, though desired, is not necessary in order to initiate the process. However, in the end, items agreed between the nations involved in the request will need to be completed.

1.1 Contact information of requested agency:

(Note: If contact information is not known, guidance may be obtained from the National SRDs within NATO ATP 3.3.4.2 or through ARSAG, International at arsaginc@earthlink.net or +1 937 760-7407)

Point of contact name and position

Agency name & mailing address

E-mail address

Phone numbers

1.2 Contact information for requesting agency:

Point of contact name and position

Agency name & mailing address

E-mail address

Phone numbers

Request approval authority office & contact info (attach signed letter if available)



1.3 Requested Clearance Category.

Category of clearance request required. (Category 1, 2 or 3 in accordance with ATP 3.3.4.2)

1 2 3 (Circle one)

1.4 Need date.

What is the no-later-than date the aerial refueling clearance is required?

1.5 Brief description.

Provide a brief description (unclassified) of the reason for the operational aerial refueling support

1.5.1 Magnitude of requirement.

Provide a description of the magnitude of anticipated operational aerial refueling support required (flight hours, fuel qty etc).

1.5.2 Basic requirement.

What is the basic desired operational aerial refueling support requirements (area, country, day, night, exercise, operation, envelope, etc.).



1.6 System type.

Desired type of tanker **AND** receiver aerial refueling systems involved (select all that apply).

- ☐ Tanker boom
- ☐ Tanker boom-to-drogue adaptor (BDA) kit (KC-135 only)
- ☐ Tanker centerline drogue
- ☐ Tanker wing pod drogue
- ☐ Receiver receptacle
- ☐ Receiver probe

1.7 Aircraft Description.

Make, model and version of all aircraft involved.

1.8 Fuel.

Type(s) of transfer fuel involved including primary, alternate and emergency fuels.

1.9 Systems manufacturers.

Please list the following regarding all applicable known aircraft and aerial refueling systems manufacturers.

1.9.1 Manufacturer name.

1.9.2 Manufacturer point of contact and contact information.



1.9.3 Is authority given for direct contact with manufacturers (consider intellectual property or national export control restrictions)?

1.9.4 If “yes”, has approval been granted to share the relevant data with all applicable agencies?

1.9.5 List any concerns related to this issue.

(use additional sheets as required)

1.10 Technical data.

List and describe availability of accurate manufacturer technical interface data (other than STDS).

1.11 Standard Technical Data Survey (STDS)

List and attach any applicable completed Standardized Technical Data Survey (STDS) information, if available.



1.12 Training currency.

Describe flight crew operational aerial refueling training currency requirements of tanker and receiver nation as required by requesting nation or organization.

1.13 Memorandums of Understanding (MOU).

List known applicable MOUs or agreements in place between tanker and receiver nation/organization and points of contact.

1.14 Accident/Incident considerations.

Proposed aircraft accident/incident accountability, liability and investigation during operational activities and points of contact.



2.0 Flight test considerations.

If flight test is required for the aerial refueling clearance, the following information applies during this phase only.

2.1 Availability Dates.

What are the estimated availability (dates) of the requesting agency aircraft for flight test support? List any limitations.

2.2 Test location.

Where is flight test expected/desired to be accomplished?

2.3 Test aircrew.

Flight test aircrew organization, availability and experience level.

2.4 Instrumentation.

What level of instrumentation is expected to be available on the requesting agency aircraft for aerial refueling systems? Include data parameters and sample rates.

2.5 Liability.

Proposed aircraft accident/incident accountability and liability during flight test support phase and points of contact.



2.6 Aircraft possession/control.

Will the aircraft of the requesting agency need to change possession or tasking control during flight testing? If so, describe.

3.0 Additional Considerations.

Additional general considerations in addition to ATP 3.3.4.2. for all agencies are listed in this section. Comments/responses in this section are not required but encouraged to facilitate a better assessment of work scope. (add additional sheets as required)

3.1 Technical and operational interface meetings.

3.2 Preparation of technical orders.

3.3 Identification of restrictions.

Methods for identifying critical aerial refueling restrictions (ATP 3.3.4.2 or describe other).

3.4 Fuel accountability.

3.5 Operational procedures, training and currency requirements.



3.6 Maintenance procedures, training and currency requirements.

3.7 Technical data.

Description and location of relevant aerial refueling technical data (from other clearances or activities).

3.8 Technical expertise.

Availability of aerial refueling technical expertise.

3.9 Flight test agency.

Flight test capability and identity of test agency, if available.

3.10 Data control.

Considerations for protecting proprietary or export controlled information.



3.11 Funding considerations.

Funding of flight test and operational refueling missions.

This could include Foreign Military Sales, Direct Commercial Sales, Foreign Military Financing, replacement in kind, ATARES Agreement, Implementing Arrangement, etc.

3.11.1 Consideration of additional fund sharing options.

3.12 ATP 3.3.4.2

Use of ATP 3.3.4.2 Air to Air Refuelling Procedures and/or National SRD.

3.13 Additional procedures.

Additional specific aerial refueling operational procedures requested not found in ATP 3.3.4.2 and/or National SRD.

3.14 Additional relevant information

(Include additional pages as needed).