

PIA
February 2019



**AERIAL DELIVERY AND FIELD SERVICES
DEPARTMENT
Fort Lee, Virginia**



Agenda



- Mission and Priorities
- ADFSD Workload
- 4 Phase 92R AIT
- Course Training Loads
- Key Systems
- MRB Purpose
- Definitions: Malfunction and Incident
- MRB 157th S/L, MFF and Equipment Malfunctions Analysis Results
- MRB FY 17 and 18 S/L, MFF and Equipment Malfunctions Analysis Results
- Point of Contacts
- Questions



ADFSD Mission & Priorities



Quartermaster School Enduring Priorities

1. Enhance Training and Leader Development

2 - Develop Responsive QM Capabilities & Integrated Solutions

3 - Maintain a Healthy Quartermaster Corps (Proponency)

4. Foster a Positive Command Climate

5. Engage in Community Outreach

ADFSD Mission

Train members of all branches of the Armed Services, allied nations and Civilians as Parachute Riggers, Airdrop or Sling Load inspectors, and Shower and Laundry Specialist. Develop doctrine support materials and perform proponency functions related to aerial delivery and field services

ADFSD PRIORITIES

1. Student Training

- Relevant, Rigorous POI
- Well resourced
- Safety

2. Operational Support

- Timely Doctrine Updates
- Readiness (MRB, AAB, SAV)
- Integration w/ partners

3. Cadre Readiness

- Technical training
- Resiliency
- Family time

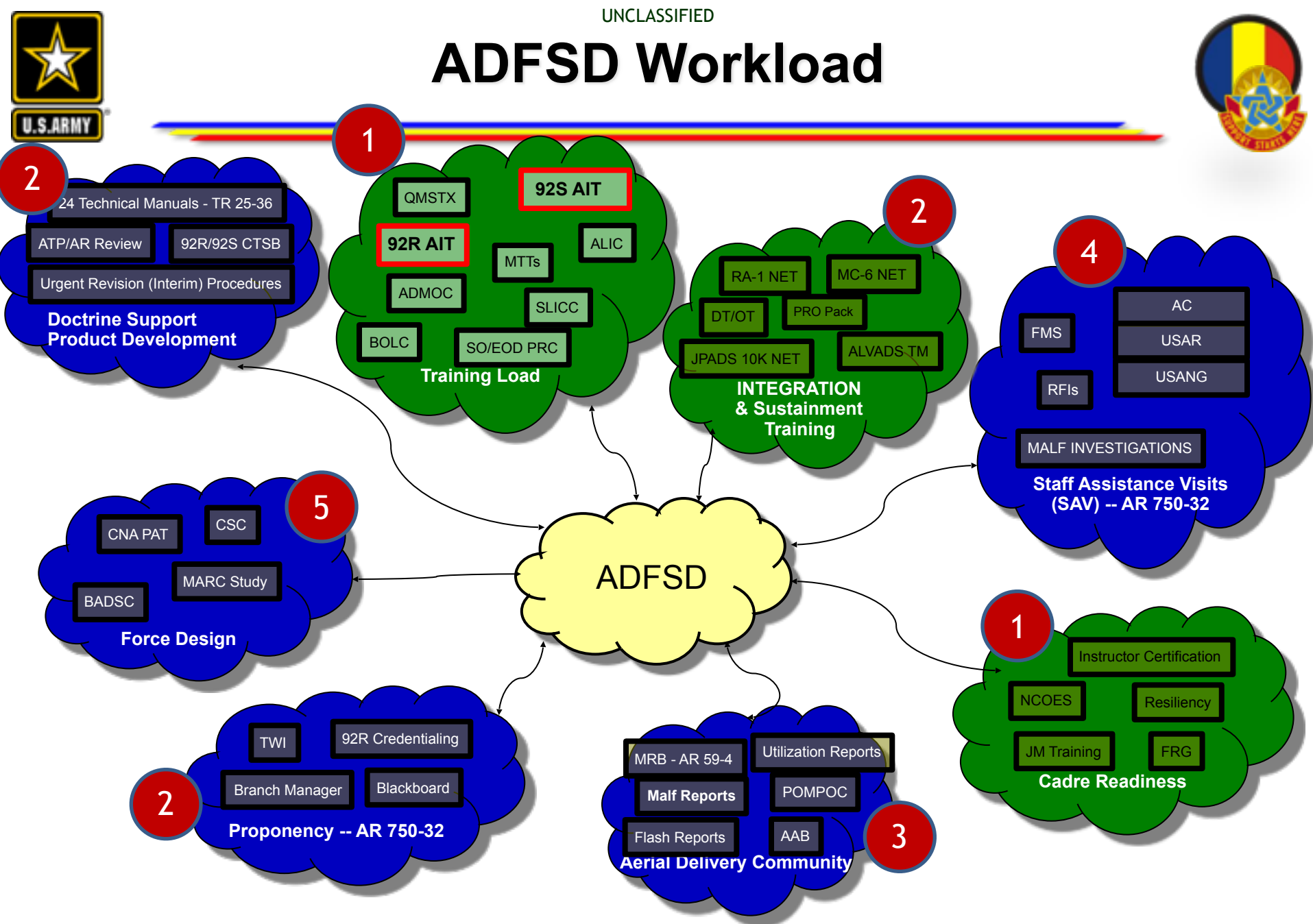
Focus Areas

Systems & Processes
Trust & Relationships
Effective Communication
Accountability & Maintenance
Safety

Goal
Constantly Improve:
our products,
our community,
and ourselves.

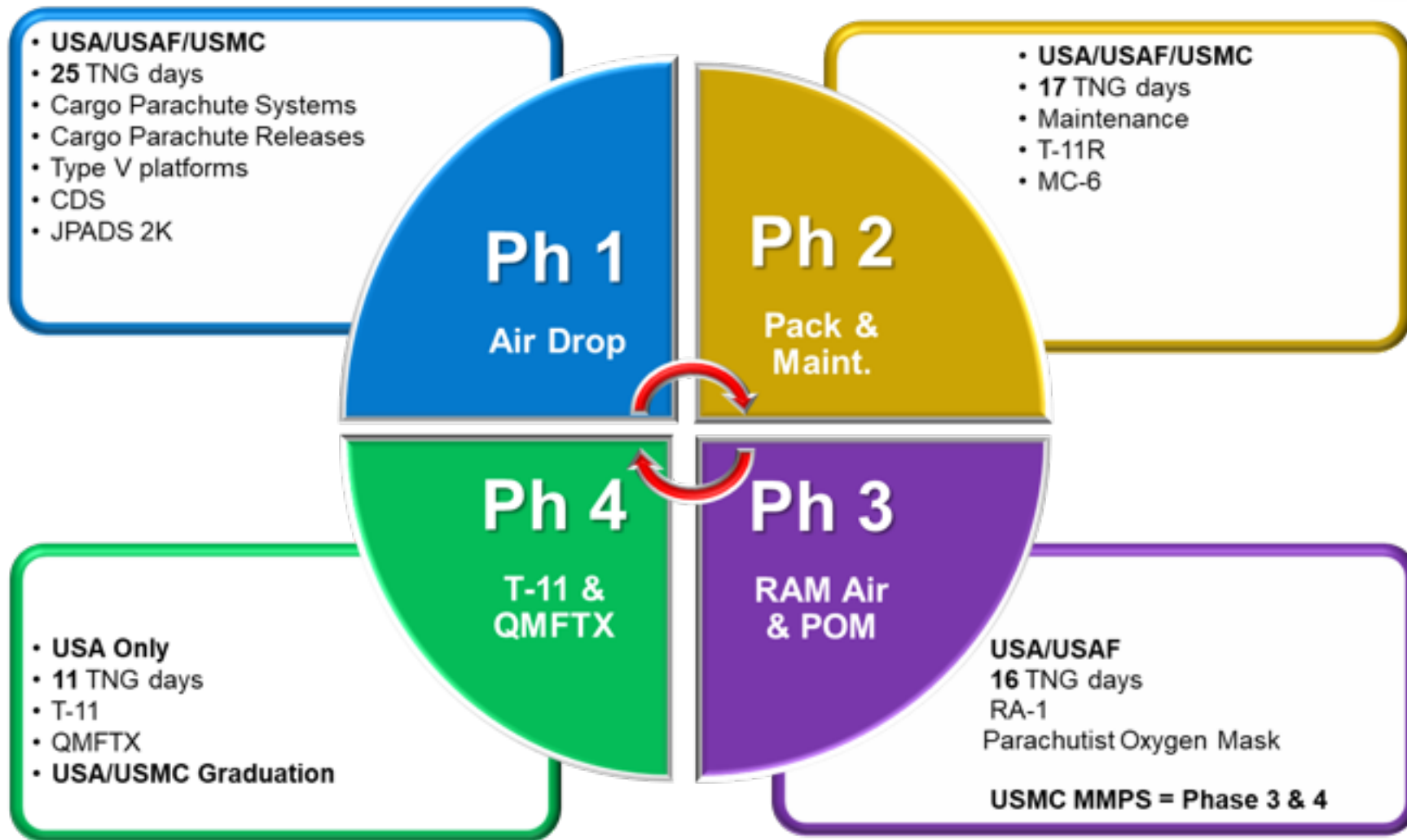
Support Starts Here! 3

ADFSD Workload





4 Phase 92R AIT





Course Training Loads

	COURSE	Course Length	FY 18 Totals	FY 18 # Classes	FY 19 Projection	FY 19 # Classes
IET	92R PRC	13 wks 4 days	501	29	691	24
	92S SLS	6 wks	149	21	304	13
Functional Courses	ADMOC	5 wks	55	6	58	7
	ALICC	5 days	198	11	199	7
	ALICC MTT	5 days	142	8	130	7
	SLICC	5 days	340	7	342	8
	SLICC MTT	5 days	1030	25	1020	23
NET	RA-1 NET MTT	10 days	172	7	As Requested	TBD
Sister Service	USMC MMPS	10 days	71	22	40	24
	Navy PRC	4 wks	80	8	80	8
	TOTAL		2,738	144	2,864	121



Key Airdrop Systems



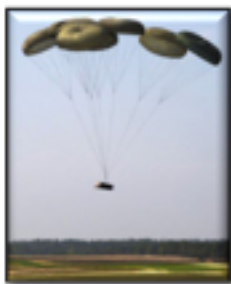
Personnel Parachute Equipment

T-11	250
MC-6	291
AEBP	43
RA-1	24
POM	20



Cargo Parachute Equipment

G-11	53
G-12	31
26ft HV	25
JPADS 2k	28
JPADS 10k	28



Future Aerial Delivery Equipment

ULW	
G-15	
G-16	
PFD	



MRB Description and Purpose

Purpose

Board's charter - identify actions and processes required to reduce malfunctions through DOTMLPF analysis. Through education and Doctrine process, revise and update technical Aerial Delivery (AD) rigging and logistic information and improve joint relations through lessons learned.

Concept of Operations

conduct MRB to:

- Host Army, Navy, Air Force, Marine Joint Key Stakeholders. All Services Safety Centers, DA-G-4, TRADOC, XVIII ABN Corps, USASOC, Army Airborne Board (AAB), Program Manager, Natick RDT&E, DA Civilian & Industry representatives for a joint services forum on Aerial Delivery (AD) and malfunction issues.
- Reduce Malfunctions Through Analysis and Education
- Pass Along Technical Rigging and Logistic Information
- Improve Joint Relations via Dialogue & Share Information

Next MRB:

- 26- 28 FEB 19 (158th)

- 25-27 JUN 19 (159th)

- 29- 31 OCT 19 (160th)



DEFINITIONS (AR 59-4)



Malfunction is defined as “the failure of an airdrop item or component of an airdrop system to function as it was intended or designed,” whether the equipment failed because of human error or emergency procedures used.

Incident is defined as any “procedure that prevented the successful completion of any planned airdrop operation.” Some examples of airdrop incidents include, but are not limited to, towed jumpers (cutaway or retrieved), dual deployments of parachutes, entanglements resulting in reserve parachute deployment, and inadvertent automatic activation device actuations.

Note:

All incidents or malfunctions that happened to a parachutist, heavy drop load or a container delivery system bundle will be reported to Aerial Delivery and Field Service Department (ADFSD) using DD Form 1748–2, (normally) as per guidance under AR 59-4, the Senior 921A unit SME reviews the report prior to submission to the USAQMS.



MRB 157th S/L Malfunctions Analysis Results

Total Dropped	Malfunctions (23)	Incidents in Operational Force (65)	Incidents in Basic Airborne Course (50)
53,697	Broken Control Lines (17)	Entanglements (24)	Entanglements (8)
	Corner-vent inversions (4)	Line Twist (19)	Line Twist (40)
	Hung Slider (1)	Reserve Activations (15)	Reserve Activations (1)
	Main parachute Damage (1)	Static Line (4)	Hung Slider/line twist (1)
		PLF related (2)	
		Equipment Worn (1)	



MRB 157th MFF Malfunctions Analysis Results



Total Dropped	Malfunctions	Incidents
22,088	25	14
	Line over (11)	Toggles not fully unstowed (3)
	Hung slider (5)	Suspension line twists (3)
	Pilot chute hesitation (3)	AOD activations (2)
	Suspension line twist/tension knots (3)	Obstacle collision/PLF incident (2)
	Bag lock (1)	Incorrect body position (1)
	Reserve activation (1)	High altitude entanglement (1)
	Main canopy damage (1)	Reserve activation (1)
		Horseshoe (1)



MRB 157th Equip Malfunctions Analysis Results



Total Dropped	Malfunctions	Incidents
3,799	20	9
	M-1 (6)	Cargo parachutes (3)
	M-2 (2)	Static line (2)
	EFTC (3)	Aircraft locks (1)
	Aircraft locks (3)	Extraction parachute (1)
	Cargo parachutes (3)	Release gate (1)
	Container (2)	Container (1)
	Suspension slings (1)	



FY 17-18 S/L Malfunctions Analysis Results

Total Dropped	Malfunctions	Incidents
FY 17: 196,277	44	178
FY 18: 172,405	49	260

Note: All malfunctions and Incidents are less than 0.1% of total airdrops



FY 17-18 MFF Malfunctions Analysis Results

Total Dropped	Malfunctions	Incidents
FY 17: 66,714	84	30
FY 18: 65,261	71	33



FY 17-18 Equip Malfunctions Analysis Results



Total Dropped	Malfunctions	Incidents
FY 17: 10,852	61	13
FY 18: 7,221	76	13

ADFSD Points of Contact

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