ILA 2014
FMPT

A400M Training in the ITC and NTCs

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International Training Centre (ITC) - 1/4

ADS/AM provides A400M Customers
with all the necessary **Training Products,
Equipments and Services** to establish
and maintain their A400M operational and
support capabilities.

State-of-the-art training

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International Training Centre (ITC) - 2/4

✓ **13.000 m² building:**

– 2 FFS bays for A400M,
– 2 FTD areas for A400M,
– CHT-E area,
– 12 classrooms for A400M,
– CBT/CMOS/Academic,
– Offices, reception, etc.

✓ **Security:**

• Compliant with Spanish and NATO Secret Security requirements

✓ **Location:**

• Located in Seville, beside the A400M Final Assembly Line (FAL)
• Transport Aircraft Training Centre for all platforms (A400M, CN235, C295, etc…).
• In an area of 150.000 m2 for growth potential

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International Training Centre (ITC) - 3/4

✓ **Approvals:**

- EASA Certified ATO (Part FCL)
- EASA Certified MTO (EASA Part 147)

✓ **Multinational team** sharing and improving best practices.

✓ **Industry's Instructors:**

- Airbus know-how and best practices,
- Airbus Military experience and background in Military Transport Aircraft training.

✓ **Training Equipment "Shared" Services:**

- Synergies among Training Centres Network
- Training Aids Configuration Management.

✓ **Access to FAL "Shared" Services:**

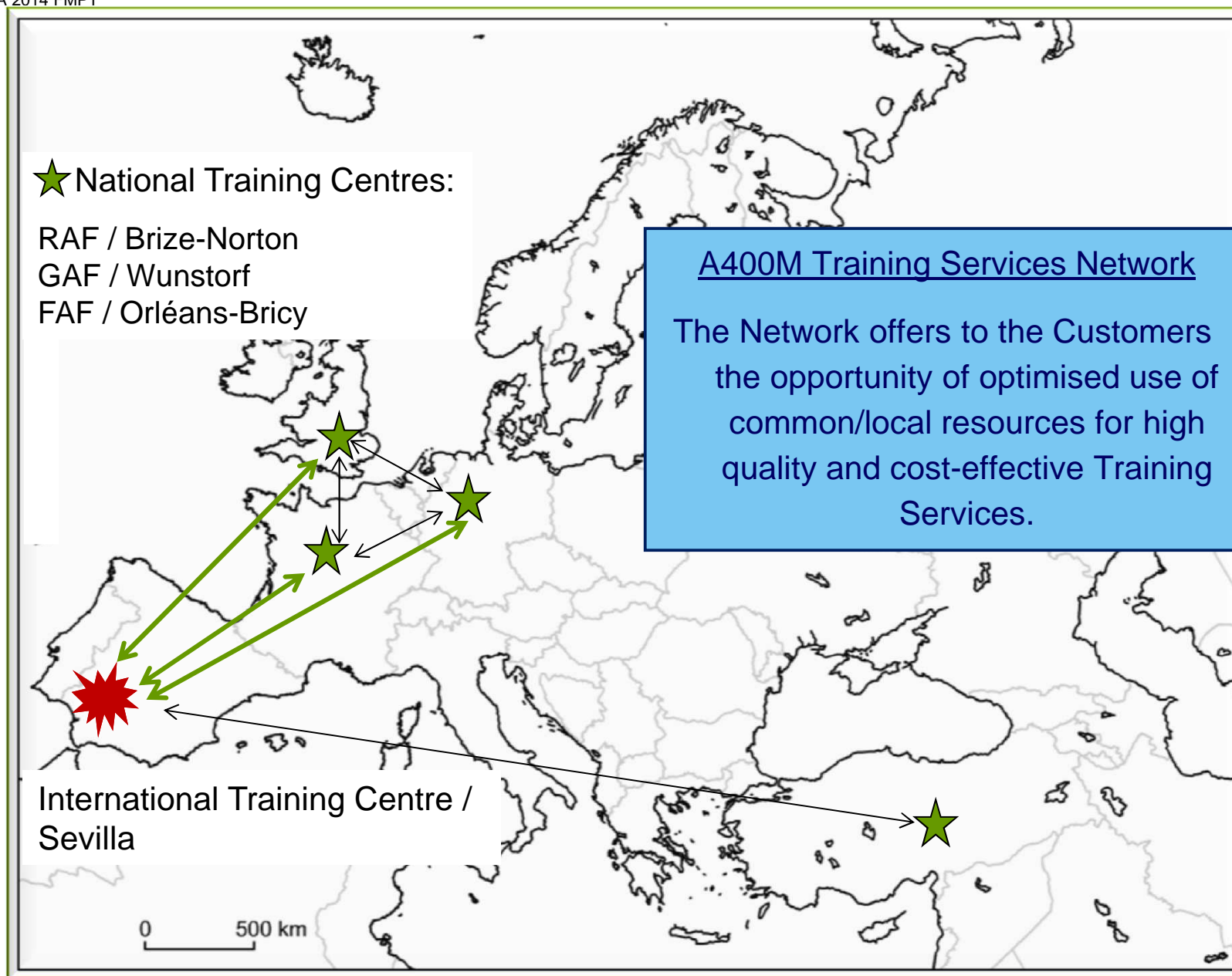- Maintenance of facilities,
- Security,
- IT.

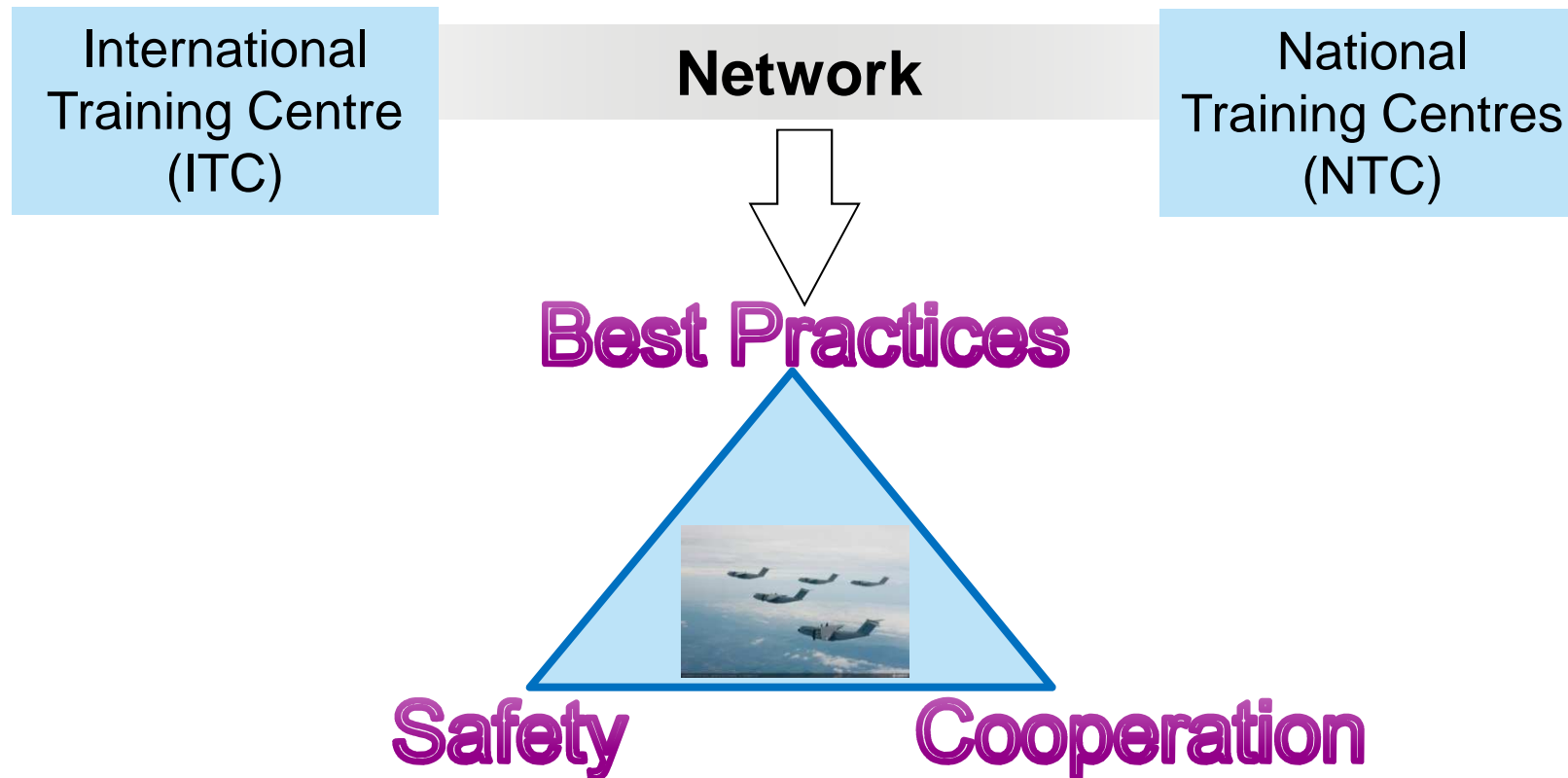## International Training Centre (ITC) – 4/4

The ITC provides:

✓ **Initial and follow-on training to all A400M Customers**

  – Aircrew (Pilots, 3rd crew-member, Loadmasters),
  – Maintenance personnel,
  – Air-dispatchers, Paratroopers.

✓ **Training of Industry's personnel on A400M for Customer Support, MRO, etc.**

✓ **Establishment of A400M Type-rating Training syllabi with EASA, updates.**

✓ **Central management of Training Aids maintenance and update/upgrade services for the Training Centres network.**

✓ **Central A400M Training "Quality & Standards" function.**

✓ **Provision of know-how to other A400M Training Centres:**

  – Instructors' Training for GSI, SFI and TRI,
  – Provision of Instructors to all Training sites (pool of instructors),
  – Collection of A400M Training experience and development of improvements.

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National Training Centres:

RAF / Brize-Norton
GAF / Wunstorf
FAF / Orléans-Bricy

A400M Training Services Network

The Network offers to the Customers the opportunity of optimised use of common/local resources for high quality and cost-effective Training Services.

International Training Centre / Sevilla

0   500 km

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A400M Training Centres Network

| International Training Centre (ITC) | Network | National Training Centres (NTC) |

Best Practices

Safety   **Cooperation**

A400M training solutions "best balance" between:
  (1) Common Standards quality
  (2) Cost-efficiency
  (3) National Customization operational efficiency

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A400M Network of Training Centres

Efficiency by single product updates

Efficiency by training centres' instructors interoperability

Training Standards Benefits

Quality by single product management and control

Quality by spread of best practices

Safety by quality training

Customization, when managed with reference to the standards, permits national optimization while keeping most of training standards benefits.

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1.   INTERNATIONAL TRAINING CENTRE IN SEVILLE

2.   TRAINING CENTRES NETWORK

3.   TRAINING COURSES

4.   TRAINING AIDS

5.   TRAINING SERVICES

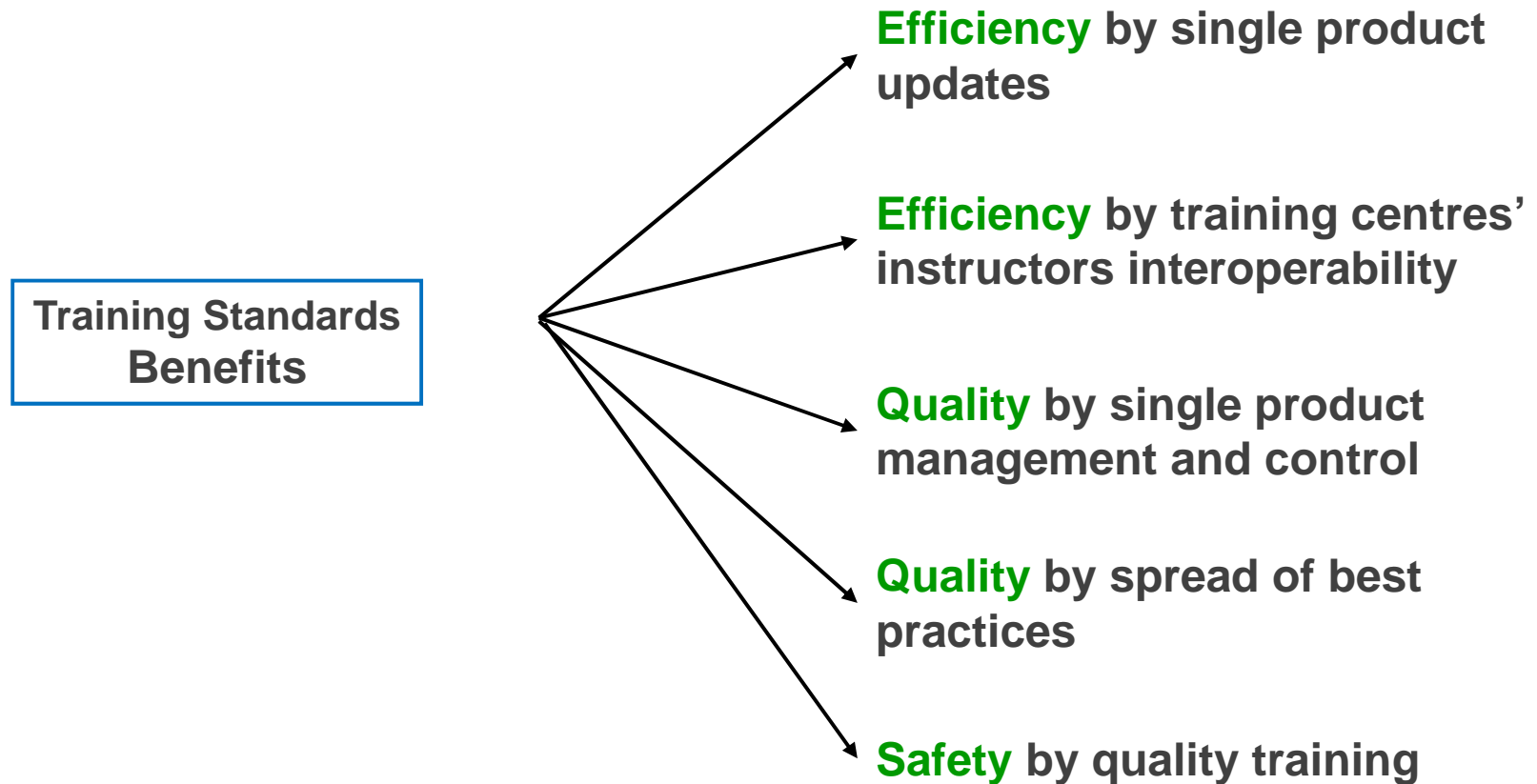**AIRBUS**
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Training Courses

Airbus Military offers a comprehensive set of A400M Training Courses to the A400M
Customers:

✓ **Flight Crew Training**
  – Pilots (Logistical and Tactical training)
  – 3rd Crew Members (Logistical and Tactical training)
  – Loadmaster (Logistical and Tactical training)

✓ **Ground Crew Training**
  – Maintenance personnel
  – Loadmaster (maintenance training)
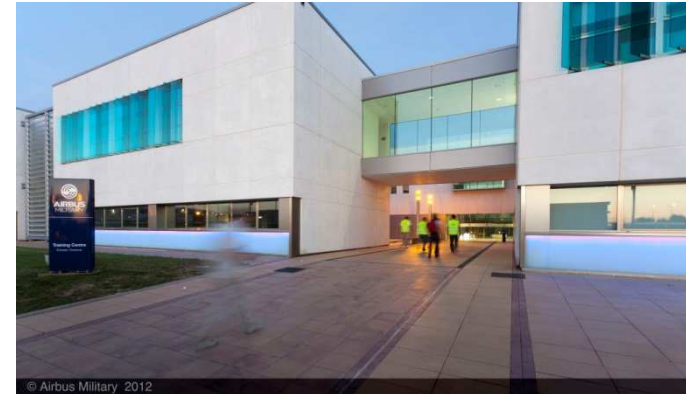
✓ **Support Personnel training**
  – Movement Personnel
  – Air Dispatch
  – Paratroopers
  – Aero-medical Personnel

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Pilot - Standard Type Rating Course

Modules

WELC	PPF	MCF ASO		MCF Skill					TRC	
	AI	AI		FFS1	FFS2	FFS3	FFS4	FFS5	OAP	Aircraft Systems CBT

Day	1	2	3	4	5	6	7	8	9	10

Modules

TRC Aircraft Systems								Perfo.	Proc.
		CBT		CBT FTD A	CBT FTD B	CBT FTD C	CBT FTD D		FP/FTD1

Day	11	12	13	14	15	16	17	18	19	20

Modules

TRC Procedures						Sys & Perfo Test	TRC Skill		
FP/FTD2	FP/FTD3	FP/FTD4	FP/FTD5	FP/FTD6	FP/FTD7		FFS1	FFS2	FFS3

Day	21	22	23	24	25	26	27	28	29	30

Modules

TRC Skill						Base Training	WWO		
FFS4	FFS5	FFS6	FFS7	LOFT	TEST	A/C	CCS GGS CBT+CHT	LTC LVO CBT	LTC FFS

Day	31	32	33	34	35	36	37	38	39	40

Modules

LVO	CRM		WWO						
			MPAP	TOG PANS	MET AECO DGW	MED OCS FANS	IER CHP FPROC FPREP	BMP NSF	NSF
FFS	CBT	CBT	CBT	CBT	CBT	CBT	CBT	CBT+MPRS	FFS

Day	41	42	43	44	45	46	47	48	49	50

Modules

WWO Optional LOFT	
FFS	FFS

Day	51	52

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1. INTERNATIONAL TRAINING CENTRE IN SEVILLE

2. TRAINING CENTRES NETWORK

3. TRAINING NEED ANALYSIS

4. TRAINING COURSES

5. TRAINING AIDS

6. TRAINING SERVICES

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Training Aids - Flat Panel FTD (FP-FTD)

✓ Aircraft cockpit using a combination of simulated or actual aircraft hardware and high quality interactive graphical panels displayed on LCD touchscreens.

✓ Simulates the system functionality and flight laws on models based on the A400M with its various A/C systems and environment.

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Training Aids – Full Flight Simulator (FFS)

✓ Scale 1:1 scale fully representative aircraft cockpit with fully working displays, controls and instruments modelled in fit, form and tactile feel.

✓ Provide type rating training, recurrent and tactical training to flight crews.

Level D Standard

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Training Aids – Cargo Hold Trainer-Enhanced (CHT-E)

✓ The CHT-E is a 1:1 scale replica of the A400M Cargo Hold and LMWS areas, including all the A/C systems related to the operations at Cargo Hold.

✓ High fidelity device to support the training for LM and Support Personnel through hands-on training tasks.

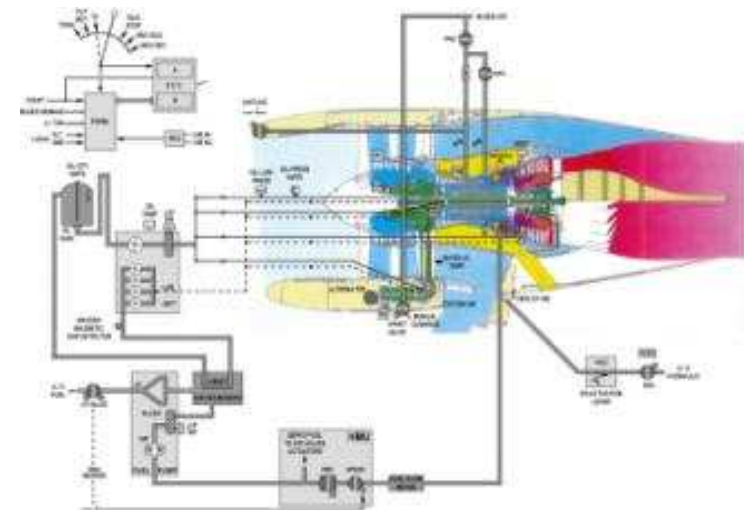Full replica of the A400M Cargo Hold

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Training Aids – Load Master Work Station Trainer (LMWST)

✓ The LMWST is a full replica of the A400M LM Controls (LMC) that provides complete spatial and operation awareness,

✓ Fully interacts with a visual representation system that provides to the trainees complete feedback on their inputs and actions to the LM Controls.

Training Aids – Cockpit Maintenance Operations Simulator (CMOS)

✓ Multimedia Interactive Virtual Device

✓ PC-based (desk-top, networked)

✓ Aimed at Maintenance personnel (to minimize practices on Aircraft), allowing the training on:
  – Troubleshooting
  – System test
  – Use of AGE
  – Component location
  – Installation / removal task

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Training Aids – Computer Based Training (CBT)

✓ Multimedia Interactive Courseware covering:
  – Flight Crew
  – Ground Crew
  – Support Personnel

✓ PC-based (desk-top, laptop, networked)

✓ For use by the instructors or by the trainee as self-paced learning

✓ CBT allows customization and modification:
  – Open: Able to integrate additional Customer proprietary content
  – Customizable: Possibility to replace multimedia elements
  – Flexible: Possibility to rearrange existing courses or create new ones based on existing technical content

✓ Free play tools included as part of the CBT
  – Virtual Aircraft : Walk around, inside, component location

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FR TS Operation Phase – 1/2

This AOTC Operation Phase covers the 3 following services:

1. TRAINING SUCCESS (TS) including:

- ✓ The provision of → Training Courses for Pilots (Type Rating)
  - → Loadmasters (Type Rating)
  - → Third Crew Members and Maintainers (minor activity)
  - → Following Airbus Military Training Programme as per the latest version available in the ITC

- ✓ The availability of → Chief Civilian Instructors (TRI/TRE)
  - → Flight Instructors (SFI)
  - → Ground School & Loadmaster Instructor (GSI/LMI)

- ✓ The examination by an on-site Type Rating Examiner (TRE)

- ✓ The remittance of certificates of completion of course

2. TRAINING AIDS READY FOR LEARNING (TARFL) including:

- ✓ Training Aids maintenance and operation

- ✓ Spares and repairs for Training Aids components, comprising Training Aids specific equipment and real Aircraft equipment

FR TS Operation Phase – 2/2

3. MANAGEMENT SUPPORT including:

- ✓ Training planning/scheduling,
- ✓ Training Aids configuration and obsolescence monitoring
- ✓ IT systems support, including → maintenance of FFS-EFB
  - → trainees laptops
  - → Computer Based Training (CBT) environment
- ✓ Quality and management improvement services

UK Training Services – 1/2

UK MoD

OCCAr DPP

STE

Provision of STE

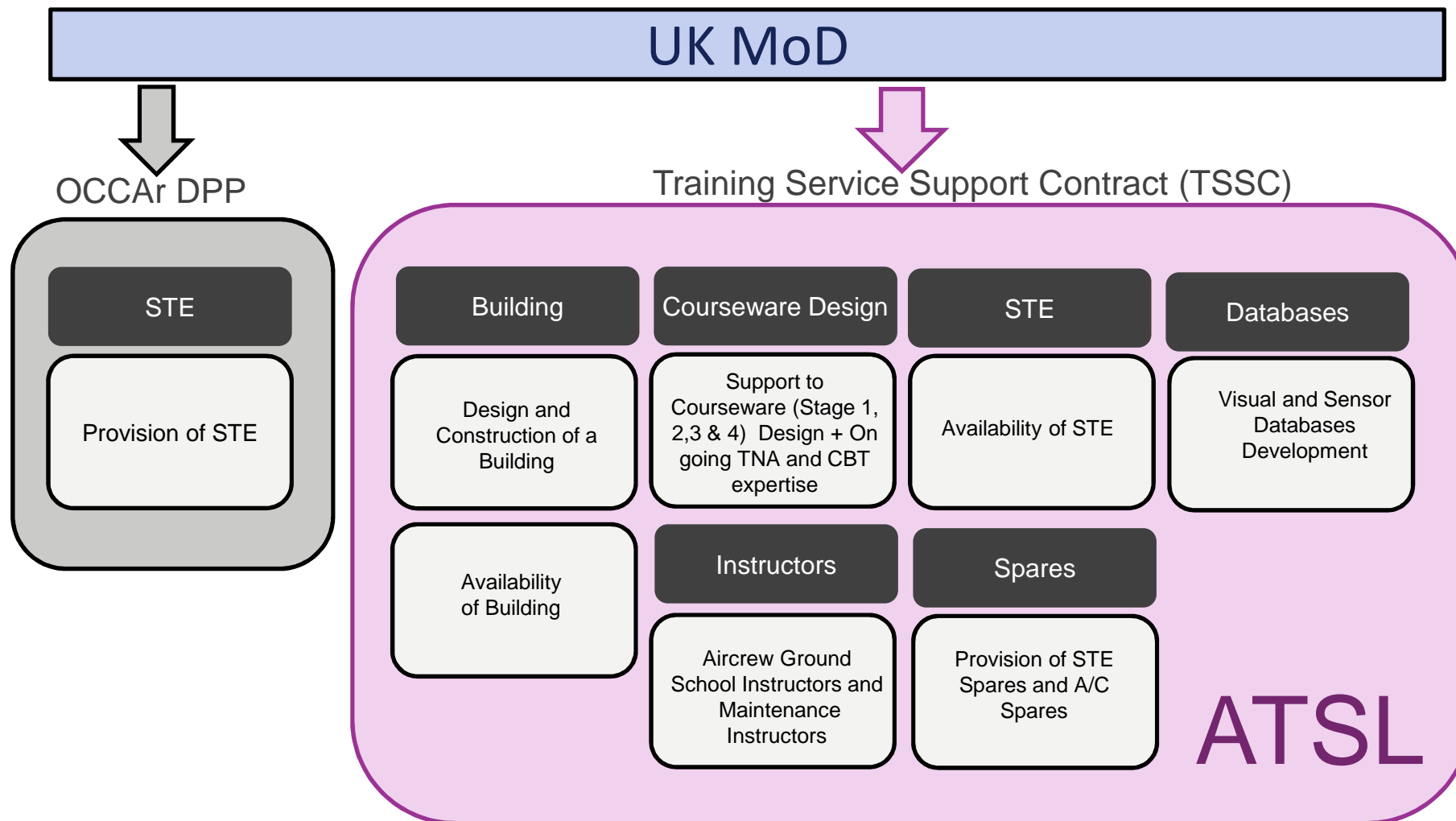**Training Service Support Contract (TSSC)**

Building	Courseware Design	STE	Databases
Design and Construction of a Building	Support to Courseware (Stage 1, 2,3 & 4) Design + On going TNA and CBT expertise	Availability of STE	Visual and Sensor Databases Development

Availability of Building

Instructors

Aircrew Ground School Instructors and Maintenance Instructors

Spares

Provision of STE Spares and A/C Spares

ATSL

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UK MoD
ATSL
AMSL
TTSL

UK Training Services – 2/2

2013	2014	2015	2016	2017

CAW

STE Maintenance Engineer Training at ITC Q3 & 4 2013

STE maintenance at UK NTC

Building Construction

Building Delivery

Building available March 14

CBT Install

Computer Based Training delivered from Feb14

FFS1 Install

Aircrew Training delivered from April 14

CMOS Install

Maintenance training delivered from Aug 14

LMWST Install

Load Master Training delivered from Dec 14

Note

CHTE Install 2018

25 May 2014

FFS2 Install 31 May 2016