EASA Part 145 Production Planning Audit - EASA.145.A.47

Name of Auditee

Date of Audit

Name of Auditor

Audit Standard EASA Part 145 IR, AMC & GM

Additional Guidance is shown in Bold Italics – Basic Questions include Management & Oversight –Ownership of Procedures - Competence & Training "as required" Completeness, Compliance & Validity of Procedures. In all cases identify the reference of MOE and Associated Procedure

Audit Criteria	Compliant Y or N – Provide MOE
	/Associated Procedure Reference
	for Compliance or detail Corrective
	Action Request & Reference
145.A.47 Production planning	•
Regulation (EU) No 1321/2014	
(a) The organisation shall have a system	
appropriate to the amount and complexity of	
work to plan the availability of all necessary	
personnel, tools, equipment, material,	
maintenance data and facilities in order to	
ensure the safe completion of the	
maintenance work.	
(b) The planning of maintenance tasks, and	
the organising of shifts, shall take into	
account human performance limitations.	
(c) When it is required to hand over the	
continuation or completion of maintenance	
tasks for reasons of a shift or personnel	
changeover, relevant information shall be	
adequately communicated between	
outgoing and incoming personnel.	
AMC 145.A.47(a) Production planning	
ED Decision 2016/011/R	
1. Depending on the amount and complexity	
of work generally performed by the	
maintenance organisation, the planning	
system may range from a very simple	
procedure to a complex organisational set-	
up including a dedicated planning function in	
support of the production function.	

2 For the number of Devi 145 the	
2. For the purpose of Part-145, the production planning function includes two complementary elements:	
 scheduling the maintenance work ahead, to ensure that it will not adversely interfere with other work as regards the availability of all necessary 	
personnel,	
tools,	
equipment,	
material,	
maintenance data and	
facilities.	
 during maintenance work, organising maintenance teams and shifts and provide all necessary support to ensure the completion of maintenance without undue time pressure. 3. When establishing the production planning procedure, consideration should be given to the following: 	
— logistics,	
— inventory control,	
 square meters of accommodation, 	
- man-hours estimation,	
- man-hours availability,	
 preparation of work, 	
 hangar availability, 	
 environmental conditions (access, lighting standards and cleanliness), 	
 co-ordination with internal and external suppliers, etc. 	
 scheduling critical maintenance tasks during periods when staff are likely to be most alert. 	
AMC1 145.A.47(b) Production planning ED Decision 2022/011/R	
CONSIDERATION OF FATIGUE IN THE PLANNING OF MAINTENANCE	

GM1 145.A47(b) Production planning	
ED Decision 2022/011/R	
CONSIDERATION OF FATIGUE IN THE PLANNING OF MAINTENANCE	
(a) Fatigue may be induced by:	
(i) the environment and conditions (e.g. noise, humidity, temperature, closed section, working overhead) in which the work is carried out;	
 (ii) excessive hours of duty and shift working, particularly with multiple shift periods or patterns, additional overtime or night work; 	
(iii) travel to the maintenance location (e.g. jetlag, duration) Fatigue is one of the factors that may contribute towards maintenance errors when it is not properly considered as part of planning activities.	
(b) Taking into account the threat of fatigue in the planning of maintenance tasks and organising of shifts refers to setting up the maintenance and the shifts in a way that enables the maintenance staff to remain sufficiently free from fatigue so they can perform the planned maintenance safely, including:	
 providing rest periods of sufficient time to overcome the effects of the previous shift and to be rested by the start of the following shift; 	
 avoiding shift patterns that cause a serious disruption of an established sleep/work pattern, such as alternating day/night duties; 	
 planning recurrent extended rest periods and notifying staff sufficiently in advance 	
AMC 145.A.47(c) Production planning	
ED Decision 2015/029/R	
The primary objective of the changeover / handover information is to ensure effective communication at the point of handing over the continuation or completion of maintenance actions. Effective task and shift handover depends on three basic elements:	
 The outgoing person's ability to understand and communicate the important elements of the job or task being passed over to the incoming person. 	
 The incoming person's ability to understand and assimilate the information being provided 	

by the outgoing person.	
 A formalised process for exchanging information between outgoing and incoming persons and a planned shift overlap and a place for such exchanges to take place. 	
GM1 145.A47(d) Production planning	
ED Decision 2022/011/R	
'External working teams' refers to an organisation that does not belong to the Part- 145 organisation in whose facility the maintenance is being carrying out, and which is, for example (this list is not exhaustive): – contracted by the Part-145 maintenance organisation; or – subcontracted by the Part- 145 maintenance organisation; or – contracted by the person or organisation responsible for the aircraft continuing airworthiness.	
The objective of point 145.A.47(d) is to manage the risk involved in the actual execution of maintenance by the various organisations at the same location.	
Example: The need for one organisation to be informed that they should not put the aircraft in a certain configuration (regarding, for instance, electrical power) if this is could contribute to an error in the maintenance performed by another organisation.	
Note: Refer to GM2 145.A.205 for the difference between contracting and subcontracting maintenance activities.	
All Audit Findings have been transferred to co	rrective action requests
Signature Name	•
Audit Closed QM Signature	
Date	