

2. SYSTEM AMS

2.1 SYSTEM AMS

2.2 TYPICAL SETS

- 2.2.1 AMS PICO
- 2.2.2 AMS MICRO
- 2.2.3 AMS MINI
- 2.2.4 AMS STANDARD
- 2.2.5 AMS MAX

2.3 SOFTWARE

2.4 HARDWARE (COMPONENTS OF THE AMS SYSTEM)

- 2.4.1 KS-AMS CENTRAL UNIT RACKS
- 2.4.2 TWS-01 CONTROL WORKING SITE
- 2.4.3 PSB-06 MODULES - CONTROL OF THE SYSTEM AMS PICO
- 2.4.4 DAP 128TC DATA TRANSFER SYSTEM
- 2.4.5 SU-24B.RT (AMS TERMINAL)
- 2.4.6 UNITS PS-02 (AMS TERMINAL)
- 2.4.7 LMS - CONTROL AND MONITORING SYSTEM



chapter:

2.1 SYSTEM AMS



System AMS is designed for control, Signalling and monitoring of the following airport systems and equipment

- airfield ground lighting (AGL)
- constant current regulators (CCR)
- radionavigation equipment and systems (RNE)
- equipment En Route
- electric power systems (EPS)
- meteorological equipment (ME)
- protection zones
- control and monitoring of distant objects
- receiving, sending and processing of data from the Aviation Fixed Telecommunication Network (AFTN)
- central time
- monitoring and processing of basic information (weather, traffic restriction, ATIS, occupation, databases, emergency cases) designated for air traffic control
- the necessary pre-requisite is furnishing of appropriate input signals from monitored equipment and devices stations evaluation of data for the needs of CAT II and CAT III
- archiving of exploitation and failure states



Selection from many modifications in dependence on

- airport category according to ICAO (NO CAT, CAT I, CAT II, CAT III)
- number of take-off / landing runways
- number of required working sites for airport operation
- number of airfield ground lighting systems
- requirements concerning convenience of operation
- number of connected devices

Certificate basis

- system fulfils requirements for control and monitoring in accordance with ICAO ANNEX 14, STANAG, MAK, FAA
- system complies with regulations for air traffic under low visibility conditions CAT II / III
- system satisfies procedures for operation under conditions LVP / LVTO

SYSTEM AMS	PICO/MICRO	MINI	STANDARD	MAX
Airport category according to ICAO	NO CAT	CAT I	CAT II	CAT II/III
Maximum number of working sites	2	2	4	>4
Acoustic alerting	signAl	voice	voice	voice
Monitoring and control of power system equipment	-	yes	yes	yes
Full monitoring airfield ground lighting (AGL)	-	yes	yes	yes
Connection of meteorological station	-	yes	yes	yes
Time synchronization with use of GPS	-	yes	yes	yes
Archiving of operational and failure states	-	yes	yes	yes
Watching of objects and fire alarm	-	yes	yes	yes
Remote servicing supervision	-	yes	yes	yes
Monitoring and control of radio-navigation equipment	-	yes	yes	yes
Compatibility with the system LMS	-	-	yes	yes