Short-term Intent Sections for 242A-WP-9-01a

Target Altitude

Target altitude is the aircraft's next intended level flight altitude if in a climb or descent or its current intended altitude if commanded to hold altitude. Target altitude shall (R2.xx) be represented as the operational altitude recognized by the transmitting aircraft's guidance system. In order to ensure a consistent reference for target altitude, all aircraft must follow standard conventions by using barometric corrected altitude (altimeter set to local setting) below the transition level and pressure altitude (altimeter set to 29.92) above the transition level. Target altitude shall (R2.xx) be provided with a range of -1,000 ft up to 100,000 ft and shall have a resolution of 100 ft (R2.xx).

Target Altitude Capability

Alternate values of target altitude may be provided by aircraft unable to support the general definition of target altitude. The target altitude capability describes the value occupying the target altitude field. The ADS-B system supports 3 levels of target altitude capability:
1) Holding altitude or autopilot control panel selected altitude.
2) Holding altitude, autopilot control panel selected altitude, or FMS/RNAV cruise altitude.
3) Holding altitude, autopilot control panel selected altitude, or any FMS/RNAV level-off altitude.

Vertical Target Source Indicator

The Vertical Target Source Indicator in the TSR provides the source of target altitude information. Three options are supported by the ADS-B system:
1) FMS or RNAV system.
2) Autopilot Control Panel (such as Mode Control Panel (MCP) or Flight Control Unit (FCU))
3) Holding altitude.

Vertical Mode Indicator

The Vertical Mode Indicator reflects the aircraft's position relative to the target altitude. Two options are supported by the ADS-B system:
1) Acquiring target altitude.
2) Capturing or maintaining target altitude.

Target Heading

Target heading is the aircraft's intended heading after turn completion or its current intended heading if in straight flight. Target heading shall (R2.xx) be provided with a range of [0-359] degrees and shall (R2.xx) have a resolution of one degree. Target heading is only provided if the aircraft is being controlled to an air-reference heading angle.

Target Track

Target track is the aircraft's intended track after turn completion or its current intended track if in straight flight. Target track shall (R2.xx) be provided with a range of [0-359] degrees and shall (R2.xx) have a resolution of one degree. Target track is only provided if the aircraft is being controlled to a ground-reference track angle.

Horizontal Target Source Indicator

The Horizontal Target Source Indicator in the TSR provides the source of target heading or track information. Three options are supported by the ADS-B system:
1) FMS or RNAV system.
2) Autopilot Control Panel (such as Mode Control Panel (MCP) or Flight Control Unit (FCU))
3) Current heading or track.

Horizontal Mode Indicator

The Horizontal Mode Indicator reflects the aircraft's position relative to the target heading or track. Two options are supported by the ADS-B system:
1) Acquiring target heading or track.
2) Capturing or maintaining target heading or track.