

ARINC 424 NDB

**Draft 1 of Supplement 24
Proposal**

**Location St louis, Missouri
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SPEED LIMIT AND SPEED LIMIT ALTITUDE HARMONIZATION

V1.0

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SUMMARY
Update field definition 5.72 to harmonize with wording found in 5.73

1.0 INTRODUCTION/ BACK GROUND

Currently, field definition 5.73 states the Speed Limit Altitude applies ‘below’ the altitude coded in this field; however, 5.72 states that the speed limit applies to the altitude ‘at or below’ the value coded in the Speed Limit Altitude field (field definition 5.73). This terminology is not harmonized.

5.72 Speed Limit (SPEED LIMIT)

Definition/Description: The Speed Limit field defines a minimum, maximum, or mandatory indicated air speed, (KIAS) for a fix, a leg or multiple legs in a terminal procedure, maximum allowed airspeed for an airport or heliport terminal environment, or a maximum airspeed with an airspace.

Source/Content: The speed limit will be derived from official government source documentation and shown in Knots. When used on an Airport or Heliport Record, the field is an indication of the maximum allowed speed and applies to all flight segments departing or arriving that airport’s or heliport’s terminal area, at and below the specified Speed Limit Altitude (5.73). When used on Airport and Heliport SID/STAR/Approach Records, the field is an indication of a speed for a fix, a leg, or multiple legs in the procedure description, used in conjunction with Speed Limit

5.73 Speed Limit Altitude

Definition/Description: Speed Limit Altitude is the altitude below which speed limits may be imposed.

Source/Content: The Speed Limit Altitude will be derived from official government sources in feet MSL or FLs.

Used On: Airport and Heliport, and Controlled Airspace records
Length: 5 characters
Character Type: Alpha/numeric
Examples: 10000, FL125

2.0 DISCUSSION and or ACTION

In order to harmonize the application of the speed limit altitude as it applies to airport records (PA), I would like to propose updating field definition 5.72 to state ‘below’ from ‘at or below’ in order to match field definition 5.73. As this field and value on a PA record is often coded based on the surrounding airspace, this update would also harmonize with ICAO Annex 11 airspace classification as well as the FAA FARs where a speed limit altitude is, for example, ‘below’ 10,000ft and not ‘at or below’ as is currently suggested in field definition 5.72.

3.0 Changes as depicted (Track Changes is Helpful)

5.72 Speed Limit (SPEED LIMIT)

Definition/Description: The Speed Limit field defines a minimum, maximum, or mandatory indicated air speed, (KIAS) for a fix, a leg or multiple legs in a terminal procedure, maximum allowed airspeed for an airport or heliport terminal environment, or a maximum airspeed with an airspace.

Source/Content: The speed limit will be derived from official government source documentation and shown in Knots. When used on an Airport or Heliport Record, the field is an indication of the maximum allowed speed and applies to all flight segments departing or arriving that airport’s or heliport’s terminal area, ~~at and~~ below the altitude specified in Speed

Limit Altitude (5.73). When used on Airport and Heliport SID/STAR/Approach Records, the field is an indication of a speed for a fix, a leg, or multiple legs in the procedure description, used in conjunction with Speed Limit Description (5.261). When used on a Controlled Airspace record, the field is used to describe the speed restriction within the Airspace.

Used On:	Airport and Heliport SID/STAR/Approach, Airport and Heliport, Flight Planning Arr/Dep Data, and Controlled Airspace Records
Length:	3 characters
Character Type:	Alpha/Numeric
Examples:	250