

Mode-S
Downlink

DF 0: Short air-air surveillance (ACAS)

DF 4: Altitude reply

DF 5: Identity reply

DF 11: All-call reply

DF 16: Long air-air surveillance (ACAS)

DF 17: Extended squitter

DF 18: Extended squitter, non transponder

DF 19: Military extended squitter

DF 20: Comm-B, with altitude reply

DF 21: Comm-B, with identity reply

DF 24: Comm-D, extended length message

ADS-B

Comm-B

ELS

EHS

MRAR
MHR

Other
services

BDS 05: Airborne position

BDS 06: Surface position

BDS 08: Identification and category

BDS 09: Airborne velocity

BDS 61: Aircraft status

BDS 65: Operational status

BDS 10: Data link capability

BDS 17: Common usage GICB capability

BDS 20: Identification

BDS 30: ACAS resolution advisory

BDS 40: Selected vertical intention

BDS 50: Track and turn report

BDS 60: Heading and speed report

BDS 44: Meteorological routine air report

BDS 45: Meteorological hazard report

Other BDS codes

* BDS: Comm-B Data Selector

* DF: Downlink format

* DF 0-11: Short messages, 56 bits

* DF 16-24: Long messages, 112 bits

* DF 1-3, 6-10, 11-15, 22-23 not used