

Restricted Areas

Types of Restricted Areas

All aircraft operating in restricted airspace should be assigned a dedicated squawk (including formation elements).

An exception is ED-R 150 (Night Low-Flying System), which uses specific squawks for low-level flying (refer to transponder).

Upon entering restricted airspace, aircraft must autonomously or under instruction switch to the tactical frequency (e.g., TRAMON/GCI). If TRAMON/GCI is offline, entering aircraft should monitor the current frequency for traffic information.

ED-R (Restricted Area)

A permanently or temporarily restricted airspace that may only be entered with explicit permission.

Purpose: Protection of security-sensitive facilities, military exercises, major events, or state visits.

Example: ED-R 146 (Berlin) protects government buildings and diplomatic facilities.

ED-D (Danger Area)

An airspace where activities potentially hazardous to aircraft take place. Flight is not strictly prohibited, but caution is advised.

Purpose: Shooting exercises, missile tests, military operations.

Example: ED-D 19A is used for military training missions.:

TRA (Temporary Reserved Airspace)

A flexibly activated airspace reserved for military exercises or special operations.

Purpose: Air combat exercises, aerial refueling, tactical maneuvers.

Example: TRA Lauter (in southern Germany).

Phraseology Examples

Clearance to operate in a TRA

G: [Call sign], IFR cancelled, approved to operate TRA [Name], FL100 up to FL300, report finished. Frequency change approved.

A: [Call sign], IFR cancelled, approved to operate TRA [Name], FL100 up to FL300, will report finished.

Clearance to operate in parts of a TRA

In this example, only parts of the area are used, such as **BASIC1A** and **BASIC1B**.

G: [Call sign], IFR cancelled, approved to operate TRA [Name] part [Parts of the TRA], FL100 up to FL300, report finished. Frequency change approved.

A: [Call sign], IFR cancelled, approved to operate TRA [Name] part [Parts of the TRA], FL100 up to FL300, will report finished.

Aerial refuelling within a TRA

See also [Air to Air Refuelling](#)

G: [Tanker call sign], cleared to operate TRA Allgäu Gretchen Anchor, on FL200. Report established.

A: [Tanker call sign], cleared to operate TRA Allgäu Gretchen Anchor, on FL200. Report established.

A: [Tanker call sign], established on Gretchen Anchor.

G: [Tanker call sign], report leaving, frequency change approved.

Entry into ED-R 150 (Night Low-Flying System)

G: [Call sign], Descend altitude (based on the current local QNH) ft (MVA), report cancelling IFR inside ED-R 150.

A: [Call sign] inside ED-R 150, cancelling IFR first portion."

G: [Call sign], IFR cancelled at (time), contact monitor on (frequency/channel).

AWACS Orbit

G: [Call sign], approved to operate Orbit NG81, FL300, counterclockwise, report finished. Frequency change approved.

A: [Call sign], approved to operate Orbit NG81, FL300, counterclockwise, will report finished.