



**Ente Nazionale per l'Aviazione Civile**

**Aeroporto:**

**Gestore:**

# **Base di Certificazione**

**CERTIFICATION BASIS**

**Rev.: ... - Data: .../.../...**

CS-ADR-DSN Issue 6 (ED Decision 2022/006/R)

CS-HPT-DSN Issue 1 (ED Decision 2019/012/R)

## Lista delle revisioni

Rev.	Data	Motivo della Revisione

# **CS ADR-DSN**

(ED Decision 2022/006/R)

## Chapter A – General

CS ADR-DSN.	Certification Specification (CS)	Conformità alla CS	Gestione della NC	Note
A.001	<b>Applicability</b>	---	---	
A.002	<b>Definitions</b>	---	---	
A.005	<b>Aerodrome Reference Code (ARC)</b>	---	---	
A.010	<i>[Intentionally left blank]</i>	---	---	Intentionally blank

## Chapter B – Runways

Dettagli piste

Riportare, per ogni pista, i dati richiesti

Pista	Tipo di Avvicinamento	Codice di riferimento	Day / Night / Low Vis.	TORA	TODA	ASDA	LDA

CS ADR-DSN.	Certification Specification (CS)	Conformità alla CS	Gestione della NC	Note
B.015	<b>Number, siting and orientation of runways</b>	---	---	
B.020	<b>Choice of maximum permissible crosswind components</b> <i>[Intentionally blank]</i>	---	---	Intentionally blank
B.025	<b>Data to be Used</b> <i>[Intentionally blank]</i>	---	---	Intentionally blank
B.030	<b>Runway threshold</b>	---	---	
B.035	<b>Length of runway and declared distances</b>	---	---	
B.040	<b>Runways with stopways or clearways</b>	---	---	
B.045	<b>Width of Runways</b>	---	---	
B.050	<b>Minimum distance between parallel non-instrument runways</b>	---	---	
B.055	<b>Minimum distance between parallel instrument runways</b>	---	---	
B.060	<b>Longitudinal slopes of runways</b>	---	---	
B.065	<b>Longitudinal slope changes on runways</b>	---	---	
B.070	<b>Sight distance for slopes on runways</b>	---	---	
B.075	<b>Distance between slope changes on runways</b>	---	---	
B.080	<b>Transverse slopes on runways</b>	---	---	

<b>CS ADR-DSN.</b>	<b>Certification Specification (CS)</b>	<b>Conformità alla CS</b>	<b>Gestione della NC</b>	<b>Note</b>
B.085	<b>Runway strength</b>	---	---	
B.090	<b>Surface of runways</b>	---	---	
B.095	<b>Runway turn pads</b>	---	---	
B.100	<b>Slopes on runway turn pads</b>	---	---	
B.105	<b>Strength of runway turn pads</b>	---	---	
B.110	<b>Surface of runway turn pads</b>	---	---	
B.115	<b>Width of shoulders for runway turn pads</b>	---	---	
B.120	<b>Strength of shoulders for runway turn pads</b>	---	---	
B.125	<b>Runway shoulders</b>	---	---	
B.130	<b>Slopes on runway shoulders</b>	---	---	
B.135	<b>Width of runway shoulders</b>	---	---	
B.140	<b>Strength of runway shoulders</b>	---	---	
B.145	<b>Surface of runway shoulders</b>	---	---	
B.150	<b>Runway strip to be provided</b>	---	---	
B.155	<b>Length of runway strip</b>	---	---	
B.160	<b>Width of runway strip</b>	---	---	
B.165	<b>Objects on runway strip</b>	---	---	
B.170	Intentionally left blank	---	---	Intentionally blank
B.175	<b>Grading of runway strips</b>	---	---	

<b>CS ADR-DSN.</b>	<b>Certification Specification (CS)</b>	<b>Conformità alla CS</b>	<b>Gestione della NC</b>	<b>Note</b>
B.180	<b>Longitudinal slopes on runway strips</b>	---	---	
B.185	<b>Transverse slopes on runway strips</b>	---	---	
B.190	<b>Strength of runway strips</b>	---	---	
B.191	<b>Drainage characteristics of the movement area and adjacent areas.</b>	---	---	
B.195	<b>Clearways</b>	---	---	
B.200	<b>Stopways</b>	---	---	
B.205	<b>Radio altimeter operating area</b>	---	---	



## Chapter C – Runway End Safety Areas (RESAs)

### Dettagli RESA

Riportare, per ogni pista, i dati richiesti

Pista	Lunghezza RESA (m)	Larghezza RESA (m)	Note

<b>CS ADR-DSN.</b>	<b>Certification Specification (CS)</b>	<b>Conformità alla CS</b>	<b>Gestione della NC</b>	<b>Note</b>
C.210	<b>Runway End Safety Areas (RESAs)</b>	---	---	
C.215	<b>Dimensions of runway end safety areas</b>	---	---	
C.220	<b>Objects on runway end safety areas</b>	---	---	
C.225	<b>Clearing and grading of runway end safety areas</b>	---	---	
C.230	<b>Slopes on runway end safety areas</b>	---	---	
C.235	<b>Strength of runway end safety areas</b>	---	---	
C.236	<b>Engineered Materials Arresting System (EMAS)</b>	---	---	

## Chapter D – Taxiways

Inserire, per ogni taxiway, le seguenti informazioni:

Denominazione Twy	Codice Letterale Twy	Tipologia di Operazioni	Note

<b>CS ADR-DSN.</b>	<b>Certification Specification (CS)</b>	<b>Conformità alla CS</b>	<b>Gestione della NC</b>	<b>Note</b>
D.240	<b>Taxiways general</b>	---	---	
D.245	<b>Width of taxiways</b>	---	---	
D.250	<b>Taxiway curves</b>	---	---	
D.255	<b>Junction and intersection of taxiways</b>	---	---	
D.260	<b>Taxiway minimum separation distance</b>	---	---	
D.265	<b>Longitudinal slopes on taxiways</b>	---	---	
D.270	<b>Longitudinal slope changes on taxiways</b>	---	---	
D.275	<b>Sight distance of taxiways</b>	---	---	
D.280	<b>Transverse slopes on taxiways</b>	---	---	
D.285	<b>Strength of taxiways</b>	---	---	
D.290	<b>Surface of taxiways</b>	---	---	
D.295	<b>Rapid exit taxiways</b>	---	---	
D.300	<b>Taxiways on bridges</b>	---	---	
D.305	<b>Taxiway shoulders</b>	---	---	
D.310	<b>Taxiway strip</b>	---	---	
D.315	<b>Width of taxiway strips</b>	---	---	
D.320	<b>Objects on taxiway strips</b>	---	---	
D.325	<b>Grading of taxiway strips</b>	---	---	

<b>CS ADR-DSN.</b>	<b>Certification Specification (CS)</b>	<b>Conformità alla CS</b>	<b>Gestione della NC</b>	<b>Note</b>
D.330	<b>Slopes on taxiway strips</b>	---	---	
D.335	<b>Holding bays, runway-holding positions, intermediate holding positions, and road-holding positions</b>	---	---	
D.340	<b>Location of holding bays, runway-holding positions, intermediate holding positions, and road-holding positions</b>	---	---	

## Chapter E – Aprons

CS ADR-DSN.	Certification Specification (CS)	Conformità alla CS	Gestione della NC	Note
E.345	<b>General</b>	---	---	
E.350	<b>Size of Aprons</b> (Intentionally blank)	---	---	
E.355	<b>Strength of Aprons</b>	---	---	
E.360	<b>Slopes on aprons</b>	---	---	
E.365	<b>Clearance distances on aircraft stands</b>	---	---	

## Chapter F – Isolated aircraft parking position

CS ADR-DSN.	Certification Specification (CS)	Conformità alla CS	Gestione della NC	Note
F.370	Isolated aircraft parking position	---	---	

## Chapter G – De-icing / anti-icing facilities

CS ADR-DSN.	Certification Specification (CS)	Conformità alla CS	Gestione della NC	Note
G.375	<b>General</b>	---	---	
G.380	<b>Location</b>	---	---	
G.385	<b>Size of de-icing/anti-icing pads</b>	---	---	
G.390	<b>Slopes on de-icing/anti-icing pads</b>	---	---	
G.395	<b>Strength of de-icing/anti-icing pads</b>	---	---	
G.400	<b>Clearance distances on a de-icing/anti-icing pad</b>	---	---	



## Chapter H – Obstacle limitation surfaces

CS ADR-DSN.	Certification Specification (CS)	Conformità alla CS	Gestione della NC	Note
H.405	<b>Applicability</b>	---	---	
H.410	<b>Outer Horizontal Surface</b> <i>[Intentionally Blank]</i>	---	---	Intentionally blank
H.415	<b>Conical Surface</b>	---	---	
H.420	<b>Inner Horizontal Surface</b>	---	---	
H.425	<b>Approach Surface</b>	---	---	
H.430	<b>Transitional Surface</b>	---	---	
H.435	<b>Take-off Climb Surface</b>	---	---	
H.440	<b>Slewed take-off climb surface</b> <i>[Intentionally Blank]</i>	---	---	Intentionally blank
H.445	<b>Obstacle Free Zone (OFZ)</b>	---	---	
H.450	<b>Inner approach surface</b>	---	---	
H.455	<b>Inner transitional surface</b>	---	---	
H.460	<b>Balked landing surface</b>	---	---	

## Chapter J – Obstacle limitation requirements

CS ADR-DSN.	Certification Specification (CS)	Conformità alla CS	Gestione della NC	Note
J.465	<b>General</b>	---	---	
J.470	<b>Non-instrument runways</b>	---	---	
J.475	<b>Non-precision approach runways</b>	---	---	
J.480	<b>Precision approach runways</b>	---	---	
J.485	<b>Runways meant for take-off</b>	---	---	
J.486	<b>Other objects</b>	---	---	
J.487	<b>Objects outside the obstacle limitation surfaces</b>	---	---	

## Chapter K – Visual aids for navigation (indicators and signalling devices)

CS ADR-DSN.	Certification Specification (CS)	Conformità alla CS	Gestione della NC	Note
K.490	Wind direction indicator	---	---	
K.495	Landing direction indicator	---	---	
K.500	Signalling lamp	---	---	
K.505	Signal panels and signal area <i>[Intentionally Blank]</i>	---	---	
K.510	Location of signal panels and signal area <i>[Intentionally Blank]</i>	---	---	
K.515	Characteristics of signal panels and signal area <i>[Intentionally Blank]</i>	---	---	

## Chapter L – Visual aids for navigation (markings)

CS ADR-DSN.	Certification Specification (CS)	Conformità alla CS	Gestione della NC	Note
L.520	<b>General – Colour and conspicuity</b>	---	---	
L.525	<b>Runway designation marking</b>	---	---	
L.530	<b>Runway centre line marking</b>	---	---	
L.535	<b>Threshold marking</b>	---	---	
L.540	<b>Aiming point marking</b>	---	---	
L.545	<b>Touchdown zone marking</b>	---	---	
L.550	<b>Runway side stripe marking</b>	---	---	
L.555	<b>Taxiway centre line marking</b>	---	---	
L.560	<b>Interruption of runway markings</b>	---	---	
L.565	<b>Runway turn pad marking</b>	---	---	
L.570	<b>Enhanced taxiway centre line marking</b>	---	---	
L.575	<b>Runway-holding position marking</b>	---	---	
L.580	<b>Intermediate holding position marking</b>	---	---	
L.585	<b>VOR aerodrome checkpoint marking</b>	---	---	
L.590	<b>Aircraft stand marking</b>	---	---	
L.595	<b>Apron safety lines</b>	---	---	

<b>CS ADR-DSN.</b>	<b>Certification Specification (CS)</b>	<b>Conformità alla CS</b>	<b>Gestione della NC</b>	<b>Note</b>
L.597	<b>Apron service road marking</b>	---	---	
L.600	<b>Road-holding position marking</b>	---	---	
L.605	<b>Mandatory instruction marking</b>	---	---	
L.610	<b>Information and marking</b>	---	---	

## Chapter M – Visual aids for navigation (lights)

CS ADR-DSN.	Certification Specification (CS)	Conformità alla CS	Gestione della NC	Note
M.615	General	---	---	
M.620	Aeronautical beacons	---	---	
M.625	Approach lighting systems	---	---	
M.626	Simple approach lighting systems	---	---	
M.630	Precision approach category I lighting system	---	---	
M.635	Precision approach category II and III lighting system	---	---	
M.640	Visual approach slope indicator systems	---	---	
M.645	Precision Approach Path Indicator and Abbreviated precision approach path indicator (PAPI and APAPI)	---	---	
M.650	Approach slope and elevation setting of light units for PAPI and APAPI	---	---	
M.655	Obstacle protection surface for PAPI and APAPI	---	---	
M.660	Circling guidance lights	---	---	
M.665	Runway lead-in lighting systems	---	---	
M.670	Runway threshold identification lights	---	---	
M.675	Runway edge lights	---	---	

<b>CS ADR-DSN.</b>	<b>Certification Specification (CS)</b>	<b>Conformità alla CS</b>	<b>Gestione della NC</b>	<b>Note</b>
M.680	<b>Runway threshold and wing bar lights</b>	---	---	
M.685	<b>Runway end lights</b>	---	---	
M.690	<b>Runway centre lights</b>	---	---	
M.695	<b>Runway touchdown zone lights</b>	---	---	
M.696	<b>Simple touchdown zone lights</b>	---	---	
M.700	<b>Rapid exit taxiway indicator lights</b>	---	---	
M.705	<b>Stopway lights</b>	---	---	
M.706	<b>Runway status lights (RWSL)</b>	---	---	
M.710	<b>Taxiway centre line lights</b>	---	---	
M.715	<b>Taxiway centre line lights on taxiways, runways, rapid exit taxiways, or on other exit taxiways</b>	---	---	
M.720	<b>Taxiway edge lights</b>	---	---	
M.725	<b>Runway turn pad lights</b>	---	---	
M.730	<b>Stop bars</b>	---	---	
M.735	<b>Intermediate holding position lights</b>	---	---	
M.740	<b>De-icing/anti-icing facility exit lights</b>	---	---	

<b>CS ADR-DSN.</b>	<b>Certification Specification (CS)</b>	<b>Conformità alla CS</b>	<b>Gestione della NC</b>	<b>Note</b>
M.745	<b>Runway guard lights</b>	---	---	
M.750	<b>Apron floodlighting</b>	---	---	
M.755	<b>Visual docking guidance system</b>	---	---	
M.760	<b>Advanced visual docking guidance system</b>	---	---	
M.765	<b>Aircraft stand manoeuvring guidance lights</b>	---	---	
M.770	<b>Road-holding position light</b>	---	---	
M.771	<b>No entry bar</b>	---	---	



## Chapter N – Visual aids for navigation (signs)

CS ADR-DSN.	Certification Specification (CS)	Conformità alla CS	Gestione della NC	Note
N.775	<b>General</b>	---	---	
N.780	<b>Mandatory instruction signs</b>	---	---	
N.785	<b>Information signs</b>	---	---	
N.790	<b>VOR aerodrome checkpoint sign</b>	---	---	
N.795	<b>Aircraft stand identifications signs</b>	---	---	
N.800	<b>Road-holding position signs</b>	---	---	

## Chapter P – Visual aids for navigation (markers)

CS ADR-DSN.	Certification Specification (CS)	Conformità alla CS	Gestione della NC	Note
P.805	<b>General</b>	---	---	
P.810	<b>Unpaved runway edge markers</b>	---	---	
P.815	<b>Stopway edge markers</b>	---	---	
P.820	<b>Edge markers for snow-covered runways</b>	---	---	
P.825	<b>Taxiway edge markers</b>	---	---	
P.830	<b>Taxiway centre line markers</b>	---	---	
P.835	<b>Unpaved taxiway edge markers</b>	---	---	

## Chapter Q – Visual aids for denoting obstacles

CS ADR-DSN.	Certification Specification (CS)	Conformità alla CS	Gestione della NC	Note
Q.840	<b>Objects to be marked and/or lighted within the lateral boundaries of the obstacle limitation surfaces</b>	---	---	
Q.841	<b>Objects to be marked and/or lighted outside the lateral boundaries of the obstacle limitation surfaces</b>	---	---	
Q.845	<b>Marking of fixed objects</b>	---	---	
Q.846	<b>Lighting of fixed objects</b>	---	---	
Q.847	<b>Lighting of fixed objects with a height less than 45 m above ground level</b>	---	---	
Q.848	<b>Lighting of fixed objects with a height 45 m to a height less than 150 m above ground level</b>	---	---	
Q.849	<b>Lighting of fixed objects with a height 150 m or more above ground level</b>	---	---	
Q.850	<b>Lighting of objects</b> [Intentionally left blank]	---	---	Intentionally left blank
Q.851	<b>Marking and lighting of wind turbines</b>	---	---	
Q.852	<b>Marking and lighting of overhead wires, cables, supporting towers, etc.</b>	---	---	

## Chapter R – Visual aids for denoting restricted use areas

CS ADR-DSN.	Certification Specification (CS)	Conformità alla CS	Gestione della NC	Note
R.855	<b>Closed runways and taxiways, or parts thereof</b>	---	---	
R.860	<b>Non-load-bearing surfaces</b>	---	---	
R.865	<b>Pre-threshold area</b>	---	---	
R.870	<b>Unserviceable areas</b>	---	---	

## Chapter S – Electrical systems

CS ADR-DSN.	Certification Specification (CS)	Conformità alla CS	Gestione della NC	Note
S.875	Electrical power supply systems for air navigation facilities	---	---	
S.880	Electrical power supply systems	---	---	
S.885	System design	---	---	
S.890	Monitoring	---	---	
S.895	<b>Serviceability levels</b> [Intentionally left blank]	---	---	Intentionally left blank

## Chapter T – Aerodrome operational services, equipment and installation

CS ADR-DSN	Certification Specification (CS)	Conformità alla CS	Gestione della NC	Note
T.900	Emergency access and service roads	---	---	
T.905	Fire stations	---	---	
T.910	Equipment frangibility requirements	---	---	
T.915	Siting of equipment and installations on operational areas	---	---	
T.920	Fencing	---	---	
T.921	Autonomous runway incursion warning system (ARIWS)	---	---	

## Chapter U – Colours for aeronautical ground lights, markings, signs and panels

CS ADR-DSN	Certification Specification (CS)	Conformità alla CS	Gestione della NC	Note
U.925	General	---	---	
U.930	Colours for aeronautical ground lights	---	---	
U.935	Colours for markings, signs and panels	---	---	
U.940	Aeronautical ground light characteristics	---	---	

# **CS HPT-DSN**

(ED Decision 2019/012/R)



## CHAPTER A — GENERAL

CS HPT-DSN.	Certification Specification (CS)	Conformità alla CS	Gestione della NC	Note
A.010	<b>Applicability</b>	---	---	
A.020	<b>Definitions</b>	---	---	

## CHAPTER B — HELICOPTER OPERATING AREAS

CS HPT-DSN.	Certification Specification (CS)	Conformità alla CS	Gestione della NC	Note
B.100	Final approach and take-off areas (FATOs)	---	---	
B.110	Helicopter clearways	---	---	
B.120	Touchdown and lift-off areas (TLOFs)	---	---	
B.130	Safety areas	---	---	

## Chapter C – HELICOPTER TAXIWAYS AND TAXI-ROUTES

CS HPT-DSN.	Certification Specification (CS)	Conformità alla CS	Gestione della NC	Note
C.200	Helicopter ground taxiways and helicopter ground taxi-routes	---	---	
C.210	Helicopter air taxiways and helicopter air taxi-routes	---	---	

## CHAPTER D — HELICOPTER STANDS

CS HPT-DSN.	Certification Specification (CS)	Conformità alla CS	Gestione della NC	Note
D.300	<b>Helicopter stands</b>	---	---	

## CHAPTER E — OBSTACLE LIMITATION SURFACES AND REQUIREMENTS

CS HPT-DSN.	Certification Specification (CS)	Conformità alla CS	Gestione della NC	Note
E.400	<b>Applicability</b>	---	---	
E.410	<b>Approach surface</b>	---	---	
E.420	<b>Take-off climb surface</b>	---	---	
E.430	<b>Obstacle limitation requirements</b>	---	---	

## CHAPTER F — VISUAL AIDS

CS HPT-DSN.	Certification Specification (CS)	Conformità alla CS	Gestione della NC	Note
F.500	<b>General</b>	---	---	
F.510	<b>Wind direction indicators</b>	---	---	
F.520	<b>Heliport identification marking</b>	---	---	
F.530	<b>Final approach and take-off area perimeter marking or markers</b>	---	---	
F.540	<b>Final approach and take-off area designation marking</b>	---	---	
F.550	<b>Aiming point marking</b>	---	---	
F.560	<b>Touchdown and lift-off area perimeter marking</b>	---	---	
F.570	<b>Touchdown/positioning marking</b>	---	---	
F.580	<b>Heliport name marking</b>	---	---	
F.590	<b>Helicopter ground taxiway markings and markers</b>	---	---	
F.600	<b>Helicopter air taxiway markings and markers</b>	---	---	
F.610	<b>Helicopter stand markings</b>	---	---	
F.620	<b>Flight path alignment guidance marking</b>	---	---	
F.630	<b>Approach lighting system</b>	---	---	
F.640	<b>Flight path alignment guidance lighting system</b>	---	---	

<b>CS HPT-DSN.</b>	<b>Certification Specification (CS)</b>	<b>Conformità alla CS</b>	<b>Gestione della NC</b>	<b>Note</b>
F.650	<b>Visual alignment guidance system</b>	---	---	
F.660	<b>Visual approach slope indicator</b>	---	---	
F.670	<b>Final approach and take-off area lighting systems</b>	---	---	
F.680	<b>Aiming point lights</b>	---	---	
F.690	<b>Touchdown and lift-off area lighting system</b>	---	---	
F.700	<b>Taxiway lights</b>	---	---	
F.710	<b>Visual aids for denoting obstacles</b>	---	---	

## Equivalent Level of Safety (ELoS)

N	Data	CS di riferimento	Descrizione ELOS	Riferimenti documentazione a supporto



## Special Conditions (SC)

N	Data	CS di riferimento	Descrizione Special Conditions	Riferimenti documentazione a supporto

## Dichiarazione del Gestore

**Io sottoscritto, ... in qualità di Accountable Manager del Gestore Aeroportuale.... per l'Aeroporto di..., dichiaro che le informazioni fornite nel presente documento sono corrette e rispondenti alla situazione di fatto dell'Aeroporto.**

**Data.../.../...**

**Firma \_\_\_\_\_**

**Riferimento invio documentazione:** \_\_\_\_\_

**Data:** \_\_\_\_\_

**Controllato dal Team Leader:** \_\_\_\_\_

**Data:** \_\_\_\_\_

**Approvato dal Direttore Operazioni:** \_\_\_\_\_

**Data:** \_\_\_\_\_

## Note per la compilazione

Qualora un determinato requisito sia applicabile a tutte le infrastrutture della stessa tipologia (ad es. rwy, twy, etc.) le relative informazioni di dettaglio saranno riportate nel campo note in modo aggregato.

CS.ADR-DSN	Certification Specificiation (CS)	Conformità alla CS	Gestione della NC	Note
D.265	Longitudinal slopes on taxiways	SI	---	TUTTE LE TWY (come da elenco)

CS.ADR-DSN	Certification Specificiation (CS)	Conformità alla CS	Gestione della NC	Note
D.265	Longitudinal slopes on taxiways	NO	SPECIAL CONDITION	TUTTE LE TWY (come da elenco)

Qualora fosse necessario, per un determinato requisito, prevedere differenti “flexibility tools”, per la gestione delle deviazioni su infrastrutture dello stesso tipo (ad es.: D.265 – Twy A (ELOS), Twy E (SC)), è necessario duplicare le righe relative ai campi “Conformità alla CS”, “Gestione della NC” e “Note” al fine di dettagliare le informazioni, includendo anche una riga con l’indicazione delle infrastrutture conformi come nell’esempio riportato di seguito.

CS.ADR-DSN	Certification Specificiation (CS)	Conformità alla CS	Gestione della NC	Note
D.265	Longitudinal slopes on taxiways	NO	SPECIAL CONDITION	TWY A
		NO	DAAD	TWY E
		SI	---	RESTANTI TWY (COME DA ELENCO) CONFORMI