

## European Union Civil Aviation Authority The Netherlands

## FLIGHT SIMULATION TRAINING DEVICE QUALIFICATION CERTIFICATE

Pursuant to Commission Regulation (EU) No 1178/2011 and subject to the conditions specified below, the Civil Aviation Authority The Netherlands hereby certifies that

FSTD number: NL-210

Device serial number: Reflectone 556397-344

Located at: AIS Vliegopleidingen B.V.

Flamingoweg 20 8218 NW Lelystad The Netherlands

has satisfied the qualification requirements prescribed in Part-OR, subject to the conditions of the attached FSTD specification.

This qualification certificate shall remain valid subject to the FSTD and the holder of the qualification certificate remaining in compliance with the applicable requirements of Part-OR, unless it has been surrendered, superseded, suspended or revoked.

Date of issue:

14-01-2022

Signed:

For the competent authority: the Minister of Infrastructure and Water Management on behalf of, the National Simulator Coordinator The Netherlands

R. de Waard

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## European Union Civil Aviation Authority The Netherlands

## **FSTD SPECIFICATIONS NL-210**

B. FSTD qualification level: Level BG C. Primary reference document: FAA AC 120-40A D. Visual system: E&S SPX-200T E. Motion system: Reflectone 6 DOF F. Engine fit: Garrett TPE-33112UAR-701H G. Instrument fit: Analogue H. ACAS fit: None I. Windshear: No J. Additional capabilities: None K. Restrictions or limitations: None K. Restrictions or limitations: No braining for: UPRT / High altitude stall event / Icing / Full Stall  L. Guidance information for training, testing and checking considerations  CAT I RVR 550 m DH 200 ft Yes CAT III RVR DH Not applicable (lowest minimun LVTO RVR 150 m Yes Recency Yes IFR-training/check Yes / Yes Type rating Yes Proficiency checks Autocoupled approach Not applicable Not applicable ACAS I/II Not applicable Not ap	A. Type or variant of aircraft:	Bae Jetstream 32		
C. Primary reference document:  D. Visual system:  ESS SPX-200T  F. Hogion system:  Reflectone 6 DOF  F. Engine fit:  Garrett TPE-33112UAR-701H  G. Instrument fit:  H. ACAS fit:  I. Windshear:  J. Additional capabilities:  None  K. Restrictions or limitations:  No training for: UPRT / High altitude stall event / loing / Full Stall  L. Guidance information for training, testing and checking considerations  CAT I RVR 550 m DH 200 ft Yes  CAT II RVR DH Not applicable (lowest minimum LVTO RVR 150 m Yes  Recency  Yes  Recency  Yes  Type rating  Proficiency checks  Autocoupled approach  Autoland/roll out guidance  ACAS I/II  Windshear warning system/predictive windshear  Not applicable  Not applicable  Not applicable  Not applicable  / Not applicable				
D. Visual system: E&S SPX-200T E. Motion system: Reflectone 6 DOF F. Engine fit: Garrett TPE-33112UAR-701H G. Instrument fit: Analogue H. ACAS fit: None I. Windshear: No J. Additional capabilities: None K. Restrictions or limitations: No training for: UPRT / High altitude stall event / Icing / Full Stall  L. Guidance information for training, testing and checking considerations  CAT I RVR 550 m DH 200 ft Yes CAT II RVR DH Not applicable CAT III RVR DH Not applicable (Iowest minimun LVTO RVR 150 m Yes Recency Yes IFR-training/check Yes / Yes IFR-training/check Yes Autocoupled approach Not applicable Not applicable Autoland/roll out guidance Not applicable / Not applicable PANS GPWS/EGPWS Not applicable / Not applicable POWS Capability Not applicable Not applicable PRNS Not applicable Not applicable Not applicable PRNS Not applicable PRNS Not applicable PRNS Not applicable Not applicable PRNS Not app		FAA AC 120-40A		
F. Engine fit: G. Instrument fit: Analogue H. ACAS fit: I. Windshear: No J. Additional capabilities: None K. Restrictions or limitations: No training for: UPRT / High altitude stall event / Icing / Full Stall  L. Guidance information for training, testing and checking considerations  CAT I RVR 550 m DH 200 ft Yes CAT II RVR DH Not applicable (lowest minimun LVTO RVR 150 m Yes  Recency Yes  Recency Yes  IFR-training/check Yes  Autocoupled approach Autoland/roll out guidance ACAS I/II Not applicable / Not applicable Windshear warning system/predictive windshear Not applicable / Not applicable WW-radar HUD/HUGS Not applicable FANS Not applicable		E&S SPX-200T		
G. Instrument fit: H. ACAS fit: None I. Windshear: No J. Additional capabilities: None K. Restrictions or limitations: No training for: UPRT / High altitude stall event / Icing / Full Stall  L. Guidance information for training, testing and checking considerations  CAT I RVR 550 m DH 200 ft Yes CAT III RVR DH Not applicable (lowest minimum LVTO RVR 150 m Yes  Recency Yes IFR-training/check Yes / Yes Type rating Yes Proficiency checks Autocoupled approach Not applicable Not applicable ACAS I/II Not applicable / Not applicable AUtoland/roll out guidance Not applicable / Not applicable / Not applicable / Not applicable HUD/HUGS Not applicable / Not applicable HUD/HUGS Not applicable FANS Not applicable ETOPS capability Not applicable ETOPS capability RNP APCH LNAV				
H. ACAS fit: I. Windshear: No J. Additional capabilities: None K. Restrictions or limitations: No training for: UPRT / High altitude stall event / Icing / Full Stall  L. Guidance information for training, testing and checking considerations  CAT I RVR 550 m DH 200 ft Yes  CAT II RVR DH Not applicable CAT III RVR DH Not applicable (lowest minimum LVTO RVR 150 m Yes  Recency Yes  IFR-training/check Yes / Yes  Type rating Yes  Autocoupled approach Not applicable ACAS I/II Not applicable / Not applicable  ACAS I/II Not applicable / Not applicable  Windshear warning system/predictive windshear Not applicable / Not applicable  WX-radar Not applicable  HUD/HUGS Not applicable / Not applicable  FANS Not applicable  FOPS capability Not applicable  FOPS capability  RNA APCH LNAV				
I. Windshear: J. Additional capabilities: None K. Restrictions or limitations: No training for: UPRT / High altitude stall event / Icing / Full Stall  L. Guidance information for training, testing and checking considerations  CAT I RVR 550 m DH 200 ft Yes  CAT II RVR DH Not applicable  CAT III RVR DH Not applicable (lowest minimum Vescency Yes  Recency Yes  IFR-training/check Yes / Yes  Type rating Yes  Autocoupled approach Not applicable  Autoland/roll out guidance Not applicable / Not applicable  Windshear warning system/predictive windshear Not applicable / Not applicable  WX-radar Not applicable  HUD/HUGS Not applicable  FANS Not applicable  FOPS capability Not applicable  FOPS capability  RNP APCH LNAV  Pes  Reserved Yes  Yes  Yes  None  Not applicable				
J. Additional capabilities: K. Restrictions or limitations: No training for: UPRT / High altitude stall event / Icing / Full Stall  L. Guidance information for training, testing and checking considerations  CAT I RVR 550 m DH 200 ft Yes  CAT II RVR DH Not applicable (lowest minimum Vessel				
K. Restrictions or limitations:  No training for: UPRT / High altitude stall event / Icing / Full Stall  L. Guidance information for training, testing and checking considerations  CAT I RVR 550 m DH 200 ft Yes  CAT II RVR DH Not applicable  CAT III RVR DH Not applicable (lowest minimum Vesses Ve	<u> </u>			
L. Guidance information for training, testing and checking considerations  CAT I RVR 550 m DH 200 ft Yes  CAT II RVR DH Not applicable  CAT III RVR DH Not applicable (lowest minimum Ves Yes)  Recency Yes  IFR-training/check Yes / Yes  Type rating Yes  Proficiency checks Yes  Autocoupled approach Not applicable  Autoland/roll out guidance Not applicable / Not applicable  Windshear warning system/predictive windshear Not applicable  WX-radar Not applicable  HUD/HUGS Not applicable  GPWS/EGPWS Not applicable  FANS Not applicable  FOPS capability Not applicable  FRIP APCH LNAV Yes		None		
CAT I RVR 550 m DH 200 ft Yes  CAT II RVR DH Not applicable  CAT III RVR DH Not applicable (lowest minimum Ves	K. Restrictions or limitations:	No training for: UPRT / High altitude stall event / Icing / Full Stall		
CAT II RVR DH Not applicable CAT III RVR DH Not applicable (lowest minimum LVTO RVR 150 m Yes  Recency Yes  IFR-training/check Yes / Yes  Type rating Yes  Proficiency checks Yes  Autocoupled approach Not applicable Autoland/roll out guidance Not applicable / Not applicable  ACAS I/II Not applicable / Not applicable / Not applicable  WX-radar Not applicable / Not applicable  HUD/HUGS Not applicable / Not applicable  FANS Not applicable / Not applicable  GPWS/EGPWS Not applicable / Not applicable  ETOPS capability Not applicable  RNP APCH LNAV Yes	L. Guidance information for training, testing and checking considerations			
CAT III RVR DH Not applicable (lowest minimum LVTO RVR 150 m Yes  Recency Yes  IFR-training/check Yes / Yes  Type rating Yes  Proficiency checks Yes  Autocoupled approach Not applicable Not applicable Not applicable / Not applicable / Not applicable Windshear warning system/predictive windshear Not applicable / Not applicable WX-radar Not applicable / Not applicable / Not applicable / RNS APCH LNAV Yes	CAT I RVR 550 m	DH 200 ft	Yes	
LVTO RVR 150 m Yes  Recency Yes  IFR-training/check Yes / Yes  Type rating Yes  Proficiency checks Yes  Autocoupled approach Not applicable  Autoland/roll out guidance Not applicable / Not applicable  ACAS I/II Not applicable / Not applicable  Windshear warning system/predictive windshear Not applicable / Not applicable  WX-radar Not applicable  HUD/HUGS Not applicable / Not applicable  FANS Not applicable  GPWS/EGPWS Not applicable / Not applicable  ETOPS capability Not applicable  RNP APCH LNAV Yes	CAT II RVR	DH	Not applicable	
Recency  IFR-training/check  Type rating  Proficiency checks  Autocoupled approach  Autoland/roll out guidance  ACAS I/II  Not applicable  Windshear warning system/predictive windshear  WX-radar  HUD/HUGS  ROT applicable  FANS  ROT applicable  Not applicable  Not applicable  / Not applicable  FANS  ROT applicable  / Not applicable  FANS  ROT applicable  / Not applicable	CAT III RVR	DH	Not applicable (lowest minimum)	
IFR-training/check Type rating Yes Proficiency checks Autocoupled approach Autoland/roll out guidance Acas I/II Windshear warning system/predictive windshear WX-radar HUD/HUGS Not applicable FANS GPWS/EGPWS FTOPS capability RVes Yes  / Yes	LVTO RVR 150 m		Yes	
Type rating Proficiency checks Autocoupled approach Autoland/roll out guidance ACAS I/II Not applicable Windshear warning system/predictive windshear WX-radar HUD/HUGS Not applicable FANS GPWS/EGPWS RNP APCH LNAV  Yes  Not applicable Yes  Not applicable	Recency		Yes	
Proficiency checks  Autocoupled approach  Autoland/roll out guidance  ACAS I/II  Not applicable  Windshear warning system/predictive windshear  WX-radar  HUD/HUGS  FANS  GPWS/EGPWS  ETOPS capability  RNP APCH LNAV  Not applicable  Not applicable  Yes  Not applicable  Not applicable  Not applicable  Not applicable  / Not applicable	IFR-training/check		Yes / Yes	
Autocoupled approach  Autoland/roll out guidance  ACAS I/II  Not applicable  Windshear warning system/predictive windshear  WX-radar  HUD/HUGS  FANS  GPWS/EGPWS  RNP APCH LNAV  Not applicable  Yes	7. 5		Yes	
Autoland/roll out guidance  ACAS I/II  Not applicable / Not applicable  Windshear warning system/predictive windshear  WX-radar  HUD/HUGS  FANS  Rot applicable / Not applicable  Wot applicable / Not applicable  Not applicable / Not applicable  FORS / EGPWS  ETOPS capability  RNP APCH LNAV  Not applicable / Not applicable  Not applicable  Yes	Proficiency checks		Yes	
ACAS I/II Not applicable / Not applicable Windshear warning system/predictive windshear Not applicable / Not applicable WX-radar Not applicable HUD/HUGS Not applicable / Not applicable FANS Not applicable GPWS/EGPWS Not applicable / Not applicable ETOPS capability Not applicable RNP APCH LNAV Yes	Autocoupled approach		Not applicable	
Windshear warning system/predictive windshear  WX-radar  HUD/HUGS  FANS  Not applicable  FOPS capability  Not applicable  Not applicable  Yes	Autoland/roll out guidance		Not applicable / Not applicable	
WX-radar  HUD/HUGS  Not applicable  FANS  Not applicable  GPWS/EGPWS  Not applicable  FTOPS capability  Not applicable  Not applicable  Yes	ACAS I/II		Not applicable / Not applicable	
HUD/HUGS  FANS  Not applicable  GPWS/EGPWS  Not applicable  Not applicable  Not applicable  Not applicable  Not applicable  Yes	Windshear warning system/predictive windshear		Not applicable / Not applicable	
FANS Not applicable  GPWS/EGPWS Not applicable / Not applicable  ETOPS capability Not applicable  RNP APCH LNAV Yes	WX-radar			
GPWS/EGPWS Not applicable / Not applicable ETOPS capability Not applicable RNP APCH LNAV Yes	HUD/HUGS		, , , , , , , , , , , , , , , , , , , ,	
ETOPS capability  RNP APCH LNAV  Not applicable  Yes				
RNP APCH LNAV Yes	GPWS/EGPWS		, , , , , , , , , , , , , , , , , , , ,	
	ETOPS capability		Not applicable	
RNP APCH I NAV / VNAV			Yes	
103	RNP APCH LNAV / VNAV		Yes	
RNP APCH LPV Yes	RNP APCH LPV		Yes	
RNP AR APCH Not applicable			Not applicable	
Other None	Other		None	

Date of issue:

14-01-2022

Signed:

For the competent authority: the Minister of Infrastructure and Water Management on behalf of, the National Simulator Coordinator The Netherlands

R. de Waard