BOEING B787-900 HORIZON DREAMLINER ABBREVIATED CHECK LIST
(NORMAL PROCEDURES)   VERSION: 1.0

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This checklist has been created for and is intended for flight simulator use only.
It's a compromise between pure realism and having fun as a casual flightsim pilot.

Where possible, I've optimised workflow for single pilot operation and have included things like FMS steps and procedures, but staying as close as possible to real checklists for the Boeing 787-900 Dreamliner.

This document was compiled by watching endless videos about the aircraft operation, and subsequently amended for my own use.

AIRCRAFT SPECIFICATIONS: ALL AFRICAN AIRWAYS	
Zero Fuel Weight	181 400 kg
Max Take Off Weight	254 012 kg
Max Landing Weight	192 777 kg
Passenger Capacity	350

PRE-FLIGHT, INITIAL PREPRATION AND POWER UP	
Toolbar Pushback Utility	Load
System Time, Weather	Set, As Required
Controllers	Load Presets, Check
NVIDIA Filters	Set, As Required
Aircraft	External Inspection
Cockpit Door	Unlocked and Open (inop)
Battery	On
External Power L,R	On (if available)
Hydraulic Selector Switches C1, C2	Off
Electric Demand Selector Switch	Off
Nav, Logo, Wing Lights	On
Landing Gear Lever	Down, Confirm on ECAS
Parking Brakes	Set, Confirm on ECAS
Spoilers	Retracted
Throttles	Idle
Fuel Cut-off levers	Cut-Off
Flaps	Up
Reverse Thrusters	Off
IRS L,R	On
Display Mode ECAS Swap	As Required (Full Display)
Display Select Panel	ENGINES (ENG) Selected
Oil Quantity	Check
STAT	Select
Hydraulic, Liquid Cooling Parameters	Normal, Check
Circuit Breakers (CB)	Normal, Check (inop)
Radio Call	*Copy IFR Clearance*
Transponder Code (XPDR)	Enter, As per Clearance
Transponder Mode	Stby
Passengers Boarding	*Start Boarding*
Preflight Checklist	**Complete**
Parking Brakes	Set
Fuel Control Switches	Cutoff

OVERHEAD PANEL CONFIGURATION

Flight Control Surfaces Tail, Wings	Norm, Lock (inop)
Heading Ref	Norm (inop)
Primary Flight Computers	Normal, Guarded
Battery	On
IFE/Pass Cabin Seats, Utility	On
APU Generators L,R	On
APU Selector	Off
Generator Ctrl Switches L1, L2, R1, R2	On, Displays Off
Left Wiper Selector	Off
Towing Power	Off (inop)
CCR Reset	Guarded, Off (inop)
Emergency Lights	Guarded, Off
Service Interphone	Off (inop)
Passenger Oxygen	On (inop)
Window Heat Backup L, R Fwd	On (inop)
Primary Window Heats L,R	On
RAM Air Turbine	Off (inop)
Passenger Signs	Off (until refueling is completed)
Cockpit Internal Lights (All)	As required
ECAS Lights and Contrasts	As required
Landing Lights L, R, Nose Lights	Off
GND Test Selector	Normal (inop)
CVR	Test (inop)
APU Discharge Warning Lights	Off (inop)
Cargo Fire Arm Fwd, Aft	Off (inop)
APU Fire Test	Test (inop)
Discharge Light	Off (inop)
Engine ECC Mode L, R	Norm (inop)
Engine Start Switch L, R	Norm
Fuel Jettison Nozzle L, R	Off, Guarded
Fuel To Remain	In (inop)
Fuel Jettison Arm Switch	Off

Fuel Pumps L,R, Fwd, Aft	Off, As Required
Fuel Crossfeed	Off, As Required
Fuel Balance	Off
Anti-Ice Wings, Engines L,R	On (if in Icing conditions), as Required
	Auto (if not in icing conditions)
Runway Turnoff Lights L,R	Off
Taxi Lights	Off
Strobe Lights	Off
Emergency Locate Transmitter (ELT)	Armed, Guarded (inop)
Humidity Control Switch	On (inop)
Cargo Temperature Switches	Auto, Light Extinguished
Air Conditioning Equip Fwd, Aft	Auto
Recirc Fans Upper, Lower	On
Flight Dec, Cabin Temp	As Required
Packs L, R	Auto
Trim Air L,R	On
Ventilation System	Norm, Guarded (inop)
Pressurization Outflow Valves Fwd, Aft	Auto (inop)
Landing Altitude	Set, As Required, or leave on Auto
Manual Override Switches 1,2	Close (inop)
Right Wiper Selector	Off
HUD Brightness	Set As Required

GLARESHIELD AND GENERAL PANELS CONFIGURATION	
Display Panel	As Required
Minimums	Radio, As Required
Minimums Altitude	Set (200)
Barometer	HPA, As Required, Local QNH Set (B)
Flight Plan Vectors	Set, As Required
Meters Display	Set, As Required
Display Range Selector	Set, As Required
Weather Radars (WXR)	Off
Terrain Radars	Off
Flight Directors	On
Auto Throttle L,R	Armed
Autopilot Disengage Bar	Up
Bank Limiter Angle	Auto, As Required
Crew Oxygen Masks	Test (inop)
Air Data/Att	Auto (inop)
PFD/MFD Mode Selector	Norm (inop)
Standby Secondary Flight Display	As Required, Matching main ECAS
Engine Fire Discharge Extinguishers	Off (inop)
Alt Flap Switch	Altn, Guarded (inop)
Alt Flap Control Switch	Off (inop)
Ground Speed Inhibit Switch	Off (inop)
Aural Cancel	Off (inop)
EVAC Command	Guarded, Off (inop)
Fuel Pumps	On, As Required
APU Master Switch	Start
APU Startup Sequence	Monitor
APU Available	Confirm
APU Generators	On
External Power	Check Off (Automatic when APU On)
FLIGHT PLANNING	
Flight	Schedule in NewSky
Route	Plan, Simbrief, Edit, Check
Flightplan	Compile, Submit and Save
Navigation Maps	Load (From Saved Flightplan)

FMC CONFIGURATION	
Block Fuel and Payload	Enter, Load from Simbrief OFP
INIT REF Page	Select
Ident Data	Check, Verify
Route Page	RSK 6 Select7
Route	Import from Simbrief, Activate
DEP/ARR Page	Select
Departure Runway	RSK 1 Confirm Select
Departure Star	Select
DEP/ARR Page	Select
Arrival	RSK 2 Select
Approach Runway, STAR	Enter
Route RTE Page	Select
Route	Verify as per Flightplan
LEGS Page	Select
FlightPlan	Check, Clear Discontinuities
Plan Mode	Step to Verify Route (inop)
Route	Activate
Performance Initialisation	RSK 6 Select
Reserves	LSK 4 Enter
Zero Fuel Weight	LSK 3 Select, Verify Calculated
Cruise Altitude	RSK 1 Verify, Enter as Required
Cost Index	RSK 2 Verify, Enter as Required
Thrust Limiter	RSK 6 Select
Outside Air Temp	Set to Value Higher than Indicated
Derate and CLB Parameters	Set as Required
Takeoff N1 Setting	Check
TAKEOFF	RSK 6 Select
Flaps	LSK 1 Set (5 deg)
Departure Runway	LSK 4 Verify
V1, VR, V2	RSK 1, 2, 3, Note V2-speed, Stab Trim
FMC PREFLIGHT COMPLETED	Verify Message
Flightplan	Execute

VNAV Page	Select
Speed Restrictions	Enter (230/10000), As Required
Transition Altitude	RSK 3 Set
NAV RAD Page	Select
Departure Nav Frequencies	Enter
LEGS Page	Select, As Required
BEFORE PUSH AND START	
NewSky ACARS	**Start Flight, Confirm Online**
Transponder	XPDR
Speed Selector	V2 Set
Heading Selector	Runway Heading Set
Initial Cleared Altitude	Set
VNAV, HDG Selector	Armed
Stab Trim	Set as per Recommended FMC Value
Refueling	Verify Completed
Seatbelt Signs	On
Fuel On Board	Verify, Balanced
Passengers	*All On Board*
Doors and Hatches	Closed and Cross-Checked
VHF Radio, Nav Frequencies	Set As Required
ECAS Menu	Set VOR L, R, Terr etc. as Required
Emergency Exit Lights	Off, Guarded
FD Door Power	On
Cockpit Door	Closed and Locked (inop)

Before Start Checklist	Complete
Passenger Signs	Set
MCP.., V2.., HDG/TRK.., ALT..	Set
Takeoff Speeds V1, VR.., V2	Set
CDU Preflight	Completed
Trim	Units, 0
Taxi, Departure Briefing	Completed
Beacon Lights	On
PUSH AND START	
Radio Call	*Request Push and Start*
Beacon Lights	On
Pushback Area	Clear
Pushback	Plan and Proceed (Toolbar Utility)
Clock, Chrono	Start
Parking Brakes	As Required
Pushback	Completed
Parking Brake	Set
Throttles	Closed
Engine Start Switches 1,2	Start
Fuel Cutoff Switches 1,2	Run
Engine Parameters	Monitor, Verify Normal
Engines Start Procedures	Verify Completed
Generator Ctrl Switches L1, L2, R1, R2	On, Verify Off lights extinguished
APU Master Switch Selector	Off
Hydraulics Selector Switches C1, C2	Auto
Electric Demand Selectr Switches 1,2	Auto
Wing, Engine Anti-Ice	Confirm Auto Set
Recirc Fans Upper, Lower	On
Flight Controls	Check (Sys, FCTL)
CANC/RCL	Push (inop)
Flight Deck Door	Auto (inop)
Flaps	Set for Takeoff (5 degrees: 1 notch)
Trim	Set for Takeoff (Green, As per FMC))

Speedbrakes	Armed
Glareshield	Verify Speed, Alt, VNAV, LNAV, AT, FD
Autobrakes	RTO
Before Taxi Checklist	**Complete**
Anti-Ice	As Required
Recall	Checked
Autobrakes	RTO
Flight Controls	Checked
Ground Equipment	Clear
APU	Off
TAXI	
Radio Call	*Request Taxi Clearance*
Taxi Lights	On
Parking Brakes	Released
Taxi	As Required, Monitor Speeds
Brakes	Test
Fuel on Board	Check, Maximum Take-off weight, OK
ACARS	Confirm Online and Active
Cabin Crew	Ping, Ready for Departure
At Runway Holding Point	Parking Brake Set
DEPARTURE	
Radio Call	*Request Takeoff Clearance*
Local QNH	Check (B)
Landing Lights L,R	On
Runway Turnoff Lights	On
Strobes	On
Transponder	TA/RA
TCAS (TFC)	On (Glareshield)
Terrain Radars, Weather Radars	On, As Required (Glareshield)
Before Take-Off Checklist	**Complete**
Flaps	Set for Take-Off
Trim	Set for Departure
Local QNH	Set (B)

Landing Lights, Strobe Lights	On
Runway and Approach Path	Clear, Check and Confirm
Parking Brake	Released
Line Up	As Required
Engine Trust	40%
Engines	Stable
TOGA	TOGA Thrust Set (Joystick Button 2)
Airspeed	Alive
80 Knots	Check and Announced
V1	Hands Off Throttles
V2	Check
VR	Rotate (10 deg nose up until FD Active)
Positive Rate Of Climb, Gear	Up
Speedbrakes	Retract
Flaps	1, Retract: When Required
Flight Directors	Follow
Autopilot	On
LNAV, VNAV, Heading Selector	On, As Required
Autobrakes	Off
Systems	Monitor
Cruise Altitude	Set, As Required
Bank Angle	10 – 15 Deg, As Required
After Takeoff Checklist	**Complete**
Landing Gear	Up
Flaps	Up
CLIMB	
Navigation	Resume
Speed	As Required
Heading Bug	Update
Systems	Check
Wing, Engine Anti-Ice	As Required
10 000+ FEET	
Landing Lights	Off
Runway Turn-off lights	Off
Passenger Signs	Off, As Required
Systems	Monitor
Heading Bug	Update

TRANSITION ALTITUDE	
QHN	Standard (1013HPa)
EN-ROUTE NAVIGATION	
Optimum Flight Level	Set as per VNAV Page 2
Systems	Check
Seatbelt Signs	Auto, As Required
Wing, Engine Anti-Ice	As Required
Heading Bug	Update
Destination Range Ring Fixes	Insert, As Required
BEFORE TOP OF DESCENT	
FMC VNAV	Select to get TOD distance, Time
Arrival	Plan, Brief
Cockpit door	*Closed and Locked (inop)*
Auto-Pilot Systems	As Required
Altitude Selector	Set to Cleared Altitude (10 500 ft)
Landing Gross Weight, Fuel Reserves	Check, Confirm within limits
DESCENT	
Radio Call	*Commencing Descent*
Descent	Commence Automatically at TOD, Or Force Descent to Commence, Set Speed Before Using FL Change
Speed, Descent Rate	Monitor, Manage
Nav Rad Page	Open
ILS Frequency	Check, Enter if Required
Destination NAV Frequency	Enter
Weather, Terrain Radars	As Required
Destination Transition Level	Set in VNAV, Forecast Page
Landing Flap Settings	Select (25 or 30 deg, As Required)
Autobrakes	Set
Speedbrakes	As Required
Descent Checklist	**Complete**
Recall	Checked

Autobrakes	Set
Landing Data, VREF, Minimums	Set
Approach Briefing	Completed
10 000 FEET	
Landing Lights	On
Runway Turn-off lights	On
Seatbelt Signs	On
Heading Bug	Update
Speed	< 250 knots

TRANSITION ALTITUDE	
QHN	QHN: L,R Local (B)

INITIAL APPROACH	
Local QNH	Confirm Set (B)
Wing, Engine Anti-Ice	As Required
Speed	As Required (180 knots)
Flaps	As Required
Systems	Check
Backup ILS	On (inop)
Heading Bug	Update
APPROACH	
Local QNH	Confirm Set (B)
Wing, Engine Anti-Ice	As Required
Localiser	Check Active
Autopilot	Localiser Armed
Localiser	Intercept
Radio Call	***Established on Localiser***
Speed	As Required (180 knots)
Flaps	Incremental Down
Speed Brakes	Armed
Heading Bug	Runway Heading
Cabin Crew	Prepare for Landing Ping
Approach Checklist	**Complete**

Altimeters	Set
FINAL APPROACH (GLIDESLOPE)	
Local QNH	Confirm Set (B)
Autopilot APP	Armed
Landing Gear	Down
Speed	As Required (160 knots)
Flaps	As Required
Glide Slope	Intercept
Radio Call	*Final Approach, Clear to Land*
Speed	VREF Set
Flaps	Incremental Down (30 deg)
Altitude	Missed Approach Altitude
Approach	Stable
LANDING	
Landing Checklist	**Complete**
Speed-brakes	Armed
Landing Gear	Down and Green
Flaps	Set and Green
Local QNH	Confirm Set (B)
Throttles	Cracked, Away from Take-off Thrust
Autopilot, Auto-Throttle	Disengaged (As Required)
Touchdown	As Required
Thrust	Reverse
60 knots: Reverse Thrust	Off
Brakes	Apply
Runway	Vacate
Radio Call	*Clear of Active, Request Taxi*
TAXI	
Landing Lights	Off
Runway Turnoff Lights	Off
Taxi Lights	On

Strobe Lights	Off
Wing, Engine Icing	On if in icing conditions, Else Off
Transponder	XPDR
TCAS (TFC)	Off (Glareshield)
Speedbrakes	Retract
Flaps	Up
Auto-Brakes	Off
Weather, Terrain Radars	Off
APU Master Switch Selector	Start
APU Generators L,R	On
Taxi	To Gates as required, <25 knots
Backup ILS	Off (inop)

TURN-AROUND SHUT-DOWN	
Parking Brakes	Set
Radio Call	*In the Blocks, Request Shutdown*
APU	Check available
APU Generators	On
Fuel Cut-off Switches L,R	Off
Chrono	Stop, Reset
Taxi Lights	Off
Hydraulic Demand Switches	Off
Seatbelt Signs	Off
APU	Confirm still On
All External Lights	Off, NewSky Flight Ended
Flight Directors	Off
Chocks	Secure
Transponder	Stby
External Power L,R	On, if Available, As Required
APU Generators	Off, As Required

APU	Off, As Required
Cabin and Cargo Doors	Open
Ground Services	As Required
Cockpit Door	Open (inop)
Passengers	*Deboard*
Next Flight	Proceed with Pre-flight checklist
Shutdown Checklist	**Complete**
Hydraulic Panel	Set
Fuel Pumps	Off
Flaps	Up
Parking Brakes	Set
Fuel Control Switches	Cutoff

COLD AND DARK SHUT-DOWN	
Parking Brakes	On
IRS L,R	Off
Packs	Off (inop)
External Power L,R	Off
Battery	Off
Secure Checklist	**Complete**
IRS	Off
Emergency Lights	Off
Packs	Off
APU	Off