

UPDATED: VoiceAttack Acceptable Phrase(s) for AI ATC Nellis/NTTR 2.0:

Legend: "{CS}" = Your Callsign; "from/at" = Either/Or words; "[from/at]" = Optional words

What's NEW?

- Traffic calls and responses in Tower's Traffic Pattern,
- Precision Approach Radar (PAR) approach
- F-16 Simulated Flame-Out (SFO) pattern
- Some verbal tweaks
- "Set Callsign" procedure

(You must now **set/reset** your desired **callsign** (from the list of 20 callsigns below) at the very beginning of your flight using the phrase "Set Callsign", (e.g. "Set Callsign, Dragn 41") will cause VoiceAttack (VA) AND AI_ATC to recognize your selected {CS} after the automatic VA Profile RESET.

=====VoiceAttack Background=====

Using VoiceAttack (VA) with AI_ATC automates the normally manually selected Function Key (F-key) sequence used in AI_ATC. Doing this using VA replicates, or "simulates", Military (style) UHF Radio Communications and is a great training tool in learning how to communicate over the radio.

Because VA has certain limitations, and because AI_ATC is only a "Pseudo-AI", it is NOT entirely possible to be able to include every possible variation in radio communication phraseology, although we come pretty close! VoiceAttack is listening for the **Agency** you are calling **First**, Your **Callsign 2nd**, then **KEY WORDS** in your message **last**.

===== SET CALLSIGN ROUTINE =====

UHF RADIO PRESET:

(PRESET: Ch-1) *"Set Callsign, {your desired CS here}"*

NOTE: Due to certain limitations, AI_ATC has 20 Acceptable Callsigns {CS} which are...

<u>BlueFOR:</u>	<u>RedFOR:</u>
"Aspen 11"	"Mig-11"
"Chaos 21"	"Stalin-21"
"Cylon 31"	"Flanker-31"
"Dragon 41"	"Flogger-41"
"Gunfighter 51"	"Fulcrum-51"
"Nightmare 61"	"Ivan-61"
"Eagle 71"	"Grape-71"
"Viper 81"	"Strelka-81"
"Hornet 91"	"Skalpel-91"
"Slayer 01"	"Rapier-01"

Also, each time "Set Callsign" is invoked, the VoiceAttack Profile will RESET itself which can take **upwards of 1 minute** (possibly more?) and VA will be unable to respond or be used until the RESET is completed.

===== CLEARANCE DELIVERY (Ch-2): =====

NOTE: You **MUST** Read-Back your SQUAWK Code (at a minimum) to progress past Clearance Delivery.

e.g. **"Dragon 41, Squawk 3001"** (minimum readback)

Clearance [Delivery], {CS}, Clearance On Request, **IFR**, DREAM-7 / FYTTR-7 / MORMON MESA 8

Clearance [Delivery], {CS}, Clearance On Request, **VFR**, **FLEX North** / **FLEX West** / **FLEX 3M**

(Readback Clearance) {CS}, Squawk XXXX

=====GROUND CONTROL (Ch-3):=====

[Nellis] **GROUND**, {CS} , Start

, Engine Start

, Request Engine Start

, Taxi

, Request Taxi

, Taxi Takeoff

, Taxi for Takeoff

, Request Taxi for Takeoff

, Taxi with the numbers (means you have ATIS Information)

(after Landing)

, Holding Short

, Request Taxi to Park

, Taxi to Park

, Taxi Park

[Nellis] **GROUND**, Say Again?

(Repeat last transmission)

=====NELLIS TOWER (Ch-4): Departing=====

[Nellis] **TOWER**, {CS} , Holding Short

,[is] Ready

, Takeoff

,[is] Ready for Takeoff

,[is] Number 1

,[is] In sequence

[Nellis] **TOWER**, Say Again?

{Repeat Last Transmission}

=====DEPARTURE CONTROL (Ch-5): =====

[Nellis] **DEPARTURE**, {CS}, [is] Passing 2000'/2100'/2200'/2300'...10,000'

, [is] Airborne, Passing 2000'/2100'/2200'/2300'...10,000'

,[is] With you, Passing 2000'/2100'/2200'/2300'...10,000'

,Checking in, Passing 2000'/2100'/2200'/2300'...10,000'

(when told to "IDENT") , IDENT / FLASH

{Either / Or}

(Requesting Vector) ,Request Vector, {name of FIX; e.g. JUNNO}

,Request Vector to {name of FIX}

,Vector to {name of FIX}

(When told to , is {name of FIX; e.g. JUNNO}

"Report [FIX]" , at {name of FIX}
 , Reporting {name of FIX}

(Early RTB?) ,Request back to Approach
 ,Request Approach
 ,Back to Approach
 ,Request RTB
 ,RTB

[Nellis] **DEPARTURE**, Say Again? {Repeat Last Transmission}

=====BLACKJACK CONTROL (Ch-16):=====

BLACKJACK, {CS}, Flight Level-180 / -200 / -220, Request Gate-X (X=1/2/3/4/Sarah/Nixon)
 , Is up on frequency, Request Gate-X
 , On frequency, Request Gate-X
 , With-you, [Request] Gate-X
 ,Checking-in, [Request] Gate-X

(when requesting Vectors) , Request Vectors {FIX or TANKER}
 , Vector to {FIX or TANKER}
 , Request Vector to {FIX or TANKER}

(When checking-out with Blackjack)
 , is RTB from Gate-X
 , RTB [at] Gate-X
 , Checking-out [from/at] Gate-X
 , Departing [from/at] Gate-X
 , Exiting [from/at] Gate-X

BLACKJACK, Say Again?

=====NATCF SALLY (Ch-7) / LEE (Ch-8)=====

(Pronounced "Nat-Siff"; NOTE: You **MUST** identify either **IFR** or **VFR** Recovery)

[NATCF] **SALLY / LEE**, {CS} , [is] RTB, **IFR / VFR**, [from/at] Gate-X (X = 1, 2, 3, 4,
 , RTB, **IFR / VFR**, Gate-X
 , Checking-out, **IFR / VFR**, Gate-X
 , Departing, **IFR / VFR**, Gate-X
 , Exiting, **IFR / VFR**, Gate-X

(Requesting **Vector to**):----- (**SALLY** / **LEE**)
 , Request Vector to:-- Gate 3/4 / -- Gate 1/2
 -- DREAM / -- ELKXX
 -- ARCOE / -- MOOSE
 / -- ACTON

===== **NELLIS ARRIVAL/APPROACH CONTROL (Ch-6)** =====

(Checking In)

[Nellis] **APPROACH**, {CS}, RTB, **IFR / VFR [Recovery]** ----- (If RTB Early, from Departure)

, is RTB

, With you

, Checking-in

, Flight Level 180 / 200 / 220

, [is] Missed Approach

(From Instrument Approach)

, [is] Executing the Missed Approach

(From Instrument Approach)

, Heading 300, Climbing to 6000 ----- **(Returning Back To Radar /
Approach from Tower)**

(when asked "Say Intentions")

, Cancel IFR

, Request Cancel

, Request Cancel IFR

, Request Back with Tower

, Request Back **to** Tower

, Back with Tower

, Back **to** Tower

, [Request] VFR with Tower

, Request IFR Pickup

(During a VFR Recovery)

(when Reporting the FIX)

, is {FIX name; e.g. ARCOE}

, at {FIX name}

, Reporting {FIX name}

INSTRUMENT APPROACHES

, Request PAR / GCA [Approach]

(Also Called "**Talk-Down**")

, Request Vectors PAR / GCA [Approach]

, Request ILS

, Request Vectors ILS

, Request ILS Approach

, Request Vectors ILS [Approach]

, [Request][Vectors] ILS Final

, Request LOCALIZER

, Request Vectors LOCALIZER

, Request LOCALIZER Approach

, Request Vectors LOCALIZER [Approach]
 , [Request][Vectors] LOCALIZER Final
 , Request TACAN
 , Request Vectors TACAN
 , Request TACAN Approach
 , Request Vectors TACAN [Approach]
 , [Request][Vectors] TACAN Final

 , is Missed Approach (From Instrument Approach)
 , Missed Approach (From Instrument Approach)
 , is Missed (From Instrument Approach)

===== **APPROACH CNTL: Ground Controlled Approach (GCA)** =====
 (For **PRECISION APPROACH RADAR (PAR)** Approaches)

(Checking In)

[Nellis] **GCA**, {CS} , [is] on freq
 , [is] on frequency
 , [is] up on freq
 , [is] up on frequency

(Cancelling) , Cancel
 , Cancel IFR

When you have the runway in sight, only say – “**Runway In Sight**”

[Nellis] **GCA**, {CS} , [Request] Stay with TOWER
 , Request Closed [Pattern]
 , [Request] Back to Radar / Approach
 , Request FLEX / DUCK (VFR Entry Points)
 , [is] Full Stop [Landing]
 , [is] Missed
 , [is] Missed Approach

===== **NELLIS TOWER (Ch-4): Arrivals/Pattern Ops** =====

[Nellis] **TOWER**, {CS} , is **X miles North** / North East / East / South East / South / South West / West / North West, **Inbound** / Enroute To/For [the] **Overhead** / Initial (X = 11 -to- 30 NM)

[Nellis] **TOWER**, {CS} , Request Straight-in
 , Request the Overhead
 , Request Initial
 , Request FLEX / DUCK (VFR Entry Point)
 , Request Closed [Pattern]
 , Request Back to Radar / Approach

, Request Departure

-----TOWER: F-16 Simulated Flame-Out (SFO)-----

[Nellis] **TOWER, {CS}** , Request S F O

, Request HIGH-KEY

, Request 12,000 foot HIGH-KEY

, Is out of HIGH-KEY

, Is out of 12,000 foot HIGH-KEY

, Is leaving HIGH-KEY

, Is LOW-KEY

, Is BASE-KEY

-----TOWER: Checking In From PAR Approach-----

[Nellis] **TOWER, {CS}** , [is] on freq

, [is] on frequency

, [is] up on frequency

, [is] Landing Roll

, [is] Rolling Out

-----TOWER: Going MISSED APPROACH-----

[Nellis] **TOWER, {CS}** , Missed (From Instrument Approach)

, Missed Approach

, [is] Missed [Approach]

, [is] Executing the Missed Approach

, [is] Going Missed Approach

-----TOWER: Reporting Pattern Position-----

(When told to , 5 miles (VFR Straight-in -or- Instrument Aprch)

“Report 5 miles” , 5 miles, Gear-Down (VFR Straight-in -or- Instrument Aprch)

OR “Report , 5 miles, Gear-Down, Option (VFR Straight-in -or- Instrument Aprch)

5 mi INITIAL”) , [is] INITIAL (Overhead / INITIAL Approach)

,5 mile INITIAL (Overhead / INITIAL Approach)

(When told to

“Report Base”) , [Left/Right] Base, Gear [Down] , [Full] Stop

, , Touch [& Go]

, , Low Approach

, , [the] Option

-----TOWER: When TOWER gives you traffic calls-----

, In Sight

, Has Traffic

, Has Traffic In Sight

, Tally Ho!
 , Tally Traffic
 , Tally Ho Traffic
 , Contact, Traffic
 , [is / has] Visual Contact
 , [is / has] Visual Contact on Traffic
 , [is / has] Visual
 , [is / has] Visual on Traffic

 , [is] No Joy
 , [is] No Joy traffic
 , [is] No Joy on Traffic
 , [is] Negative Traffic
 , [is] Negative Contact Traffic
 , [is] Negative Contact with / on Traffic

[Nellis] **TOWER**, Say Again?

=====READ-BACKS / ACKNOWLEDGEMENTS (Optional)=====

Begin your Acknowledgments/Readbacks with **only your Call-Sign first**, not the Agency you are calling.

{CS} ,	(Saying only your Callsign to Ack)
{CS}, Roger	
, Wilco	
, Roger Wilco	
, Copy	
, [Cleared] [for] Takeoff	
, Switching	(Changing Frequency)
, Flight Level 180 / 200 / 220, DREAM-7 / FYTTR-7 / MORMON MESA 8	(On Departure)
, Heading XXX	
, Heading XXX, 6000' / 5000'	(During IFR Recovery)
, Heading XXX, 10,000' / 15,000'	(From Missed Approach Procedure)
, Heading 300, 6000'	(Vectors around Radar Pattern)
, Heading 030, 10,000'	(Vectors around Radar Pattern)
, Heading 120, 5000'	(From Radar Pattern / Instrmnt Aprch)
, Heading 180, 4200 / 4400' Until established, Cleared Approach	(From Radar Pattern)
, [Cleared] [to] Land / Touch [& Go] / Low Approach / [the] Option	