APRS Queries, Information Exchange & Groups

compiled by SA7SKY - update 2018-06-30 1130z

Input	to	Meaning & Answers	Example	System
Standard				
?APRS?	*callsign*	Request of all queries that can be answerd by a station/system	?APRS? ?APRSD ?APRSL ?APRSH ?APRSM ?APRSO ?APRSP ?APRSS ?APRST/?PING? ?ABOUT/?APRSV/?VER ?CPU ?DX ?IGATE	APRSIS32
?WX?	CQ	Query to all weather stations	*not tested*	Radios
!*PROGRAMNAME.EXE*	*callsign*	An UI-View station would execute the program in the RCOMMAND folder (i.e.: **!Orbitron.exe** , to start Orbitron. It is only neccessary to mention '.exe' if several applications are in the folder (i.e. .bat) with same name Orbitron. Otherwise only **!Orbitron** is enough). Default is **!help**		UI-View
?ABOUT = ?APRSV & ?VER	*callsign*	Station's software version, operating system, CPU load	?APRST APRSIS32 Win v6.1 b7601 p2 9.1/6.4%	APRSIS32
?APRSD	*callsign*	stations heard **d**irect (without digipeater hops)	?APRSD Directs= DB8JO-9 DO8RMA-9 DO1HH DB0XIA	UI-View APRSIS32 Radios
?APRSH	*callsign*	Heard stations incl. packet path I, G, D, d, R **I** = packets from the **i**nternet (also from APRS-IS only) **G** = **g**ated station packets (callsign-SSID following q-construction [qAS, qAR, etc.]) **D** = **d**igipeated station packets with first copy been heard from the internet (APRS-IS) **d** = digipeated station packets - heard locally **R** = station packets heard via radio	?APRSH DF8LS-10(1) I+R: 35+1 18+6 6+4	APRSIS32
?APRSH *DF8LS-9*	*callsign*	Did the station **h**ear *callsign DF8LS-9* ? The answer shows the statistic of the past 18 hours	?APRSH DF8LS-9 DF8LS-9(0) I+R: 0+0 0+3 1+5	UI-View APRSIS32 Radios
?APRSL	*callsign*	stations that have been heard during the past 30 minutes locally with a maximum of 2 hops (1) = 1 hop (2) = 2 hops	?APRSL DB0NMS-2(1) DB0XIA DF8LS-7 DO8LXZ-7(1) OZ4DIA-2(2) OZ4DIC-2(2) OZ4DID-2(2) OZ5DII-2(2)	APRSIS32
?APRSM	*callsign*	**M**essage query. Requests if the station has any messages for me on stock. Possible feature within APRSIS32 and UI-View if specific add-on is installed	?APRSM 4 Messages Requeued	APRSIS32 UI-View
?APRSO	*callsign*	**O**bject query. All active objects created by the station will be send out excluding QRU-server objects	?APRSO 3 Objects Transmitted	UI-View APRSIS32 Radios

UI-View is case sensible !

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callsign allways with *SSID* if existing

?APRSP	*callsign*	**P**osition query	?APRSP Forced beaconing at the query receptor's side	UI-View APRSIS32 Radios
?APRSS	*callsign*	**S**tatus query (when receptor uses APRSIS32 including port assignment)	?APRSS Ports[1/4] 04-21 19:09:05 APRS-IS OK 97.3k 93.6k 92.7k 93.3k 93.2k 93.3k Ports[2/4] 04-21 19:09:05 2m-Band OK 71 69 72 173 183 145 88 122 /hr DX=1*DO1HH(32km@131°) Ports[3/4] 04-21 19:09:05 30m-Band OK 51 50 49 173 183 145 88 122 /hr DX=1*HB9DDF(803km@191°) Ports[4/4] 04-21 19:09:05 WX-CWOP OK 13.5k 13.1k 4497 /hr	UI-View APRSIS32 Radios
?APRST = ?PING?	*callsign*	**T**rack of station packets till internet interface APRS-IS or via radio	?APRST G6UIM>APWW10,TCPIP*,qAC,T2LONDON	UI-View APRSIS32 Radios
?APRSV = ?ABOUT & ?VER	*callsign*	Station's software version, operating system, CPU load	?APRSV APRSIS32 Win v6.1 b7601 p2 9.1/6.4%	APRSIS32
?CPU	*callsign*	Station's software version, operating system, CPU load	?CPU APRSIS32 Windows v6.1 b7601 p2 K:5.4/1.9% U:6.7/5.7%	APRSIS32
?DX	*callsign*	**DX**-report in abbreviated form (farest received station during the past hour)	?DX DX: RT9K-14 64.54.58N 77.46.04E 4013,9km 39ø 07:25	UI-View APRSIS32
?IGATE	*callsign*	Activities at the IGATE ports (If system is APRSIS32 including bi-directional status if active)	?IGATE IGate[1/3] LOC_CNT=8 DIR_CNT=1 RF_CNT=12 PKT_CNT=4 IGate[2/3] 144.800[KWD710(Pkt)] Bi-Directional IGate[3/3] 10147.3[KISS] Bi-Directional DX=2*CN2CS(1852km@193°)	APRSIS32
?PING? = ?APRST	*callsign*	**T**rack of station packets till internet interface APRS-IS or via radio	?PING ? OE3MSU-15>APWW10,WIDE1-1	UI-View APRSIS32 Radios
?VER = ?ABOUT & ?APRSV	*callsign*	Station's software version, operating system, CPU load	?VER APRSIS32 Win v6.1 b7601 p2 9.1/6.4%	APRSIS32 UI-View

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UI-View only				
BCN	*callsign*	Position and comment text as packet (**BEACON**)		UI-View
LGS oder LG1	*callsign*	UI-View starts logging all received stations (**LOG STATIONS** / 1=on). (log file will benamed after the date)		UI-View
LGX oder LG0	*callsign*	UI-View ends logging received stations (**LOG EXIT** / 0=off). (This command must come from the stations callsign itself)		UI-View
QAS	*callsign*	**A**ll heard **S**tations		UI-View
QWS	*callsign*	heard **W**eather-**S**tations		UI-View
ANSRVR & CQSRVR				
?	ANSRVR	Which interest groups are available on the **ANSRVR** server **(not time or activity limited groups)**. In parentheses the number of members. If you are member of a groups all messages addressed to *CQ GROUP NAME* will automatically be received.	? Active Groups: APRS(3) APRSIS32(14) APRSISCE(4) APRSSATS(5) ARES(1) ARFCOM(1) ARISSAT1(1) BALLOON(10) BRARS(1) CCARC(2) CDGAPRS(3) CDGISS(4) CDGVHF(2) CQ(2) DEERCAM(2) DX(1) ECHOLINK(8) FD(3) ISS(8) JOTA(1) LARC(1) LINUX(1) LINUXQRU(1) MARC(1) MOTORCYCLES(1) NWS(5) ODARC(1) PALS(1) RARC(1) ROCKETS(8) SARA(2) SCOUTS(3) SKYWARN(2) SOSRADIOWEEK(4) SZ4TRI(1) TEST(1) U(1) UIMCAM(3) WEATHER(1) WOTA(5) WX(1)	all
? *GROUP NAME*	ANSRVR	How many members are in *GROUP NAME* (write : ?SPACE*GROUP NAME*)	? APRSIS32 APRSIS32 Notifications for APRSIS32 Own:KJ4ERJ-12 14 Members In APRSIS32	all
D *GROUP NAME*	ANSRVR	Discription of the group and listed callsigns of the members (write : DSPACE*GROUP NAME*)	D APRSIS32 APRSIS32(14) Notifications for APRSIS32 Own:KJ4ERJ-12 Members[APRSIS32]: WB8SKP W8KRF-1 GW8SZL N7FMH-10 KJ4ERJ-12 K7WGR 4X1ZQ G6UIM N8CTT KB3KBR-1 KJ4ERJ-AP N5BRJ SQ5NWI-11 DF8LS-10 14 Members In APRSIS32	all
L	ANSRVR	In which groups I am involved?	L Member Of APRSIS32(15) ISS(9)	all

J *GROUP NAME*	ANSRVR	I'd like to **j**oin *GROUP NAME* ! Valid for 12 hours, thereafter membership has to be renewed or automatic KEEP ACTIVE function in APRSIS32 takes care of that.	J APRSIS32 Now Monitoring APRSIS32	all
U *GROUP NAME*	ANSRVR	I'd like to **u**nsubscribe from *GROUP NAME* !	U NWS Remove from NWS	all
CQ *GROUP NAME* Text...	ANSRVR	At the same time join *GROUP NAME* and write to all members a message. If the group does not exist now, I will be owner of that group. *(max. 46 characters as name when initiating the group)* As owner of a group I can cancel the group as follows: When no members are left in the group, take myself of the XML then send U *GROUP NAME* to ANSRVR.	Normally when group exists : CQ RPRNET The propagation conditions on April 20th 2013 on 30 m band are excellent. 73 Helge 3 Messages Sent To RPRNET D GROUP Description (if Owner) L=My Groups, CQ/J=Join, U=Unjoin, D=Describe Groups, ?=All Groups, or ? GROUP Output at the receptors side: N:RPRNET The propagation conditions on April 20th 2013 on 30 m + When initiating a group: CQ RPRNET Robust Packet Network *HF-APRS Europe* New Group(RPRNET) Description (Robust Packet Network *HF-APRS Europe* D GROUP Description (if Owner) L=My Groups, CQ/J=Join, U=Unjoin, D=Describe Groups, ?=All Groups, or ? GROUP	all
INFO	CQSRVR	Which interest groups are available on the **CQSRVR** server **(short time groups)**. Cancellation of memberships and group after 12 hours of inactivity. The query principals are the same as with ANSRVR.	info No group specified.	all
QRU-Server				
INFO	QRU	Which groups of QRU-objects are available in **my** geographical radius (default by server; i.e. 50km) ? Maximum objects by request is default set to 5 items. Both can be varied by sysop.	info de DF8LS-10:RP70(10) RP2M(3) RP10(1) POLI(1) HELI(2) FUEL(8)+ de DF8LS-10:ECHO(6) AIRP(3) Max 5@50km	all

INFO 250	QRU	Which groups of QRU-objects are available in **my** 250 km geographical radius (if metric is selected on the servers side, otherwise Statue-Meiles = 1.609 km) ?	info 250 de DF8LS-10:RP70(27) RP2M(11) RP10(1) POLI(40) LTHS(48) LIFEBOAT(25) HELI(6) FUEL(13) ECHO(17) CLUB(33) AIRP(3) AERO(26) Max 6@250km de KJ4ERJ-15:T2SRV(5) Max 4@250mi	all
OBJECT GROUP NAME AERO — Aerodrome AIRP — Airport AMBU — Ambulance CLUB — Amateur Radio Club CIVD — Civil Defense ECHO — EchoLink FIRE — Fire Department FOOD — Restaurant FUEL — Gas Station HELI — Rescue Helicopter HOSP — Hospital INFO — Info Kiosk Collection LIFEBOAT — Lifeboat POLI — Police POST — Post Office RAIL — Railway RD2M — 2m D-Star Repeater RD70 — 70cm D-Star Repeater RP10 — 10m Repeater RP23 — 23cm Repeater RP2M — 2m Repeater RP6M — 6m Repeater RP70 — 70cm Repeater SHOP — Shopping Center SRAIL — Steam Railway	QRU	Which objects of the *OBJECT GROUP NAME* are available in **my** geographical radius? When the query is done via the internet all objects are 'printed' out (plus in the APRSIS32 program map windows do open showing the location of them). If query is done via radio it is only the final message: < Sent 5 RP70 Objects Max 5@50km de DF8LS-10 The available objects are then send out by the IGATE and show up on the transceivers display and station list (i.e. Kenwood TM-D710, Yaesu FTM-350). If the objects carry the right format the TUNE function is ready to QSY. If using a navigator system i.e. AVMAP Geosat the objects will show up. [Objects do not show up on aprs.fi if query was done via internet but they do if requested via radio] For the latest standard of QRU objects click http://aprsisce.wikidot.com/doc:qru	RP70 DB0FS-70(Antenna) 438.850MHz Toff -760 Hamburg-Lokstedt DB0ZE-70(Antenna) 438.925MHz Toff -760 Hamburg-Moorfleet DB0SY-70(Antenna) 438.625MHz Toff -760 Hamburg-Lohbrügge DF0HHH-70(Antenna) 438.700MHz Toff –760 Rosengarten DB0HEW-70(Antenna) 438.550MHz Toff –760 Geesthacht Sent 5 RP70 Objects Max 5@50km de DF8LS-10	all

UI-View is case sensible !

callsign allways with *SSID* if existing

STOR	Amateur Radio Shop			
T2SRV	T2 Server			
VETE	Veterinarian			

OBJECT GROUP NAME 150	QRU	Which objects of the *OBJECT GROUP NAME* are available in **my** 150 km radius? When the query is done via the internet all objects are 'printed' out (plus in the APRSIS32 program map windows do open showing the location of them). If query is done via radio it is only the final message: < Sent 5 RP70 Objects Max 5@50km de DF8LS-10 The available objects are then send out by the IGATE and show up on the transceivers display and station list (i.e. Kenwood TM-D710, Yaesu FTM-350). If the objects carry the right format the TUNE function is ready to QSY. If using a navigator system i.e. AVMAP Geosat the objects will show up. [Objects do not show up on aprs.fi if query was done via internet but they do if requested via radio]	AIRP 150 EDHL-LBC(Plane Lrge) 73.9km SSE LBC Airport +49451583010 Lübeck Blankensee EDDH-HAM(Plane Lrge) 87.6km S HAM Airport +494050750 Hamburg Intl. EDXW-GWT(Plane Lrge) 133.9km WNW GWT Airport +49465192060 Westerland/Sylt Sent 3 AIRP Objects Max 6@150km de DF8LS-10	all
AVRS Automatic Voice Relay System				
?	AVRS	Where from my position is the next Echolink, IRLP or Allstar-Station located ? To process that successfully at least one beacon including position from my station must have reached the APRS-IS.	? 144.962MHz T141 EL#517844 0.31 miles	all
? *CALLSIGN-SSID*	AVRS	Where from *CALLSIGN-SSID* position is his next Echolink, IRLP or Allstar-Station located ? To process that successfully at least one beacon including position from *CALLSIGN-SSID* must have reached the APRS-IS.	?DA1ABC-9 CALL DA1ABC-9 on 144.975MHz T067 EL node 226916	all

UI-View is case sensible !   *callsign* allways with *SSID* if existing

CALLSIGN-SSID	AVRS	I like to contact CALLSIGN-SSID and therefor I like a message toward me with the closest Echolink station plus frequency, CTCSS, shift and EL-number **plus** a message to CALLSIGN-SSID to tell him about my wish to contact him including the frequency, CTCSS, shift and EL-number to select on his nearest Echolink. [AVRS = Automatic Voice Relay System generates automatic requests to make a contact via Echolink]	DA1ABC-9 Answer to me: CALL DA1ABC-9 on 144.975MHz T067 EL node 226916 APRS Message to DA1ABC-9: VOICE CALL from DF8LS-9, PSE QSY 144.975MHz T067	all
APRSlink				
H	WLNK-1	Help APRSlink queries for Winlink members holding a callsign@winlink.org address. Other than stated else where it is obtainable by using i.e. Airmail 3.4.062 or RMS Express and a telnet (internet) connection [see www.winlink.org]	H SP, SMS, L, R#, K#, Y#, F#, P, G, A, I (? + cmd for more)	all
I	WLNK-1	**I**nformation about APRSlink	I APRSLink v3.1.1.0 www.winlink.org/aprslink for information	all
?L	WLNK-1	Help with a specific command. Will be answered by WLNK-1 as well when the system did not understand a command.	?L List pending messages: L	all
L	WLNK-1	Query for messages available (always the last 5 ones) (**L**ist)	L You have 1 new message	all
R*MESSAGENUMBER*	WLNK-1	Query by specific message number (**R**ead)	R2	all
Y*MESSAGENUMBER*	WLNK-1	Repl**y** to a specific message number	Y3	all
K*MESSAGENUMBER*	WLNK-1	Delete a specific message number (**K**ill)	K1	all
F*MESSAGENUMBER*	WLNK-1	**F**orward a specific message number	F4 helge@df8ls.de	all
SP	WLNK-1	Simple transmission of a longer mail in 3 steps: 1. Transmission of the opening contents of: SP <email - or - callsign – or - Alias> <subject> 2. Text in any parts and length you wish 3. /EX as close command in a seperate message Just after the /EX message the whole message is send to the receptor. Instead of /EX you can put P in order to	SP helge@df8ls.de News *send* here the free text is entered until the display is full *send* and sequently continue as long as needed *send* even the last sentence gets an own transmission,	all

		review the complete message. Until the final command the text can be given out to WLNK-1 without any specific identification.	even if very short *send* /EX message sent to helge@df8ls.de	
/EX	WLNK-1	Final command to transmit the complete message (**Ex**ecute)	/EX message sent to helge@df8ls.de	all
P	WLNK-1	**P**layback message		all
SMS	WLNK-1	send one-line message (here WLNK-1 is not waiting for TEXT and /EX command)	SMS DF8LS Arrival 13h00 73 Helge message sent to DF8LS	all
A	WLNK-1	To simplify addresses used more often aliases can be genertaed. Scheme: A ALIAS=mail@provider.net To delete an alias process the folloowing entry: A ALIAS= leave empty	A HELGE=df8ls@robust-packet.net Alias updated: HELGE=df8ls@robust-packet.net A heh= Alias deleted: heh	all
AL	WLNK-1	Query of a list of all my aliases	AL caj=k1ckk@juno.com eym=dk7le@gmx.de hch=helge@helgehartz.de hom=horst.mehlhoff@freenet.de jas=jampl@gmx.de jat=jtimmann@freenet.de	all
G*NUMBER*	WLNK-1	Query of the next RMS Packet Gateways available. *NUMBER* marks the amount of (nearby) stations in the answer. Default value is 1	G RMS Packet: DM0ESD JO53AP 10 miles 350 deg N, 144.825 1200b	all
WHO-IS Queries [callsigns] at QRZ.com				
callsign	WHO-IS	Short query of a callsign with output format: class / name / country Query possible as well under WHO-15	DF8LS DF8LS/A/Helge C. Hartz/Germany	all
F *callsign*	WHO-IS	Full query of a callsign with output format: name / class / street / city / country Query possible as well under WHO-15	F DF8LS DF8LS:Helge C. Hartz/A DF8LS:Kätnerweg 42 DF8LS:D-24235 Laboe Germany	all

UI-View is case sensible !　　　　　　　　　　　8-10　　　　　　　　　　*callsign* allways with *SSID* if existing

QRZ Queries [objects]				
object name	QRZ	Short query of an object not older than 2h: object name / text Wildcard querie with asterix * at the end is possible, then answer comes as selection off available objects.	LT-KIEL LT-KIEL 6.78mi NNE Kiel Fjord Iso WRG 6s Lighthouse	all
METAR Queries [Weather]				
ICAO Code	WXBOT	Short query actual airport weather (SA)	EDDL EDDL 310820Z 23008KT CAVOK 17/15 Q1020 NOSIG	all
WHERE-IS Queries [Positions, approximation alerts & more] - callsignS WHERE-IS & WHERE is case-sensitive				
callsign where *callsign*	WHERE or WHERE-IS	Short query of a stations distance, bearing to, and time of latest report. Source APRS-IS (hence TCP-only as well). All 2 possibilities lead to the same result.	DF8LS DF8LS: 11.2 miles 15.56 deg NNE (13m ago)	all
dir *callsign*	WHERE or WHERE-IS	Bearing to (direction) & time only. Instead of *dir* you could even write the full word *direction*.	dir DF8LS DF8LS: 15.56 deg NNE (13m ago)	all
dis *callsign*	WHERE or WHERE-IS	Distance & time only. Instead of *dis* you could even write the full word *distance*.	dis DF8LS DF8LS: 11.2 miles (13m ago)	all
dis *callsign* @km	WHERE or WHERE-IS	Distance in specific units. Available: @miles/@mi **@nm** @yards/@y @foot/@f @meters/@m **@km**	dis DF8LS @km DF8LS: 18.0 km (13m ago)	all
pos *callsign* loc *callsign*	WHERE or WHERE-IS	Position datas & time only. All 2 possibilities lead to the same result. Instead of *pos* & *loc* you could even write the full words *position* & *location*.	loc DF8LS DF8LS: 56.128833 13.663833 (13m ago)	all
last *callsign*	WHERE or WHERE-IS	Time & date only	last DF8LS DF8LS: 2017-04-01 05:44:28 UTC	all
alert *callsign* < 15 km	WHERE or WHERE-IS	Set an alert for of a SINGLE station. Here the condition if a distance gets **less than the given value**. The stored alert extinguishes after the alert was given out. Permanent & multiple storage not possible yet. The query with *@ xx km* is also possible.	alert DF8LS < 15 km Will alert you within 15 km of DF8LS after the station has got within range Alert: DF8LS is 14.1 km 15.56 deg NNE (06:25:57 UTC)	all

alert *callsign* > 15 km	WHERE or WHERE-IS	Set an alert for of a SINGLE station. Here the condition if a distance gets **greater than the given value**. The stored alert extinguishes after the alert was given out. Permanent & multiple storage not possible yet.	alert DF8LS > 15 km Will alert you outside 15 km of DF8LS after the station has got within range Alert: DF8LS is 16.9 km 15.56 deg NNE (06:25:57 UTC)	all
cancel *callsign*	WHERE or WHERE-IS	Cancel a stored alert before it was performed.	cancel DF8LS Alert for DF8LS canceled.	all
help	WHERE or WHERE-IS	Show all available commands	help Cmds: where/loc/pos/dis/dir/last <call> (@ m/km/ft/y/mi/nm) Also: alert/cancel <call> < (or >) <num> (m/km/ft/y/mi/nm)	all
	SMSGTE [Combined APRS & Mobile Phone SYSTEM]			
	SMSGTE	SMSGTE is only available in the USA & Canada. Please refer to the given website below: **http://smsgte.wixsite.com/smsgte/userguide**	@6135551234 *free text...*	

UI-View is case sensible !

callsign allways with *SSID* if existing