

# Northwest Central Dispatch



Northwest Central Dispatch handles Police and Fire Communications for several NW suburban towns, including Arlington Hts., Buffalo Grove, Mt. Prospect, Elk Grove Village, Inverness, Prospect Hts., Palatine, Rolling Meadows, Streamwood and Hoffman Estates in addition to the Palatine Rural FPD. They operate 2 separate Motorola Type 2 trunking systems. In 2007 NWCD has absorbed dispatch responsibilities for Schaumburg as well. There are plans to eventually merge all 3 trunked systems into a single system, perhaps as part of StarCom21.

The "Astro" system is an 8 channel Motorola multi-site simulcast SmartZone system installed for Police, Fire and Local Government use of its member communities. Both analog and Astro digital modes are used. Current operations include 6 police departments, 6 fire departments and several public works agencies as well as NWCD administrators. With the flexibility that a trunked system provides there are at least 80 different talkgroups identified as in use to replace several UHF and VHF channels.

The Astro system uses the older 3600-baud data control channel, thus can be tracked as well as monitored by older BC250D and BC785D digital scanners and Trunker. Analog talkgroups, used mostly by Elk Grove PW, may also be monitored by older analog TrunkTrackers.

The "Analog" system is used by Hoffman Estates and Streamwood Police and Fire Departments and was put together from several frequencies already in use by Hoffman Estates.

The Schaumburg system is a mixed digital/analog system, with mostly analog voice traffic.

Rolling Meadows joined NWCD in 2009.

## **Member Agencies:**

AH	Arlington Heights	(PD & FD)	BG	Buffalo Grove	(PD & FD)
EG	Elk Grove Village	(PD & FD)	HE	Hoffman Estates	(PD & FD)
IN	Inverness	(PD Only)	MP	Mount Prospect	(PD & FD)
PL	Palatine	(PD & FD)	PR	Palatine Rural FPD	(FD Only)
PH	Prospect Hts.	(PD Only)	RM	Rolling Meadows	(PD & FD)
SC	Schaumburg	(PD & FD)	ST	Streamwood	(PD & FD)

**Radio Operations:**

<u>Community</u>	<u>Police Numbers</u>	<u>Fire Numbers</u>	<u>Fire Stations</u>	<u>Battalion</u>	<u>System</u>
Arlington Hts.	1000's	100's	1 to 4	Battalion 1	Digital
Elk Grove	2000's	200's	7 to 10	Battalion 2	Digital
Mount Prospect	3000's	300's	12 to 14	Battalion 3	Digital
Buffalo Grove	4000's	400's	25 to 28	Battalion 4	Digital
Schaumburg	5000's	500's	51 to 55	Battalion 5	Schaumburg
Hoffman Estates	6000's	600's	21 to 24	Battalion 6	Analog
Prospect Hts.	7000's	N/A			Digital
Palatine	8000's	800's	81 to 85	Battalion 8	Digital
Streamwood	9000's	900's	31-33	Battalion 9	Analog
Palatine RFPD	N/A	700's	36	Battalion 7	Digital
Rolling Meadows	M100's		15-17	Battalion 15	RM
Inverness	I-1000's	N/A	N/A	N/A	Digital

Fire Operation Notes:

\* No Station 28, used for 2nd rig at other stations and as a response district covered by other stations

\* Fire Department numbering based on the MABAS Division 1 scheme where rigs from a station ID with the station number. Engine 1 is from Station 1 for example. Administrative and rig inventory numbers are also heard on this system. These are the xxx series numbers.

\* Station Alerting for towns using the Astro system is done via DTMF tones on analog talkgroup 57776, and then the actual call is broadcast on either Fire 1 (1456) or Fire 2 (1488) as appropriate.

\* Several neighboring fire departments have 800 MHz radios provided by NWCD towns for mutual aid purposes. Those known to have these radios include Lincolnshire-Riverwoods FPD, Long Grove FPD, Prospect Hts. FD and Rolling Meadows FD. It is likely that some neighboring police departments would have radios for the system as well.

\* 154.205 ("Fire South") and 154.235 ("Fire North") have been retained to be used as backups to the Astro system.

**Police Numbering Notes:**

First Digit is the Agency ID:

1	Arlington Hts
2	Elk Grove Village
3	Mount Prospect
4	Buffalo Grove
5	Schaumburg
6	Hoffman Estates
7	Prospect Heights
8	Palatine
9	Streamwood
I	Inverness
M	Rolling Meadows

Second digit is the assignment type

1	Patrol
2	Traffic
3	Special Assignments
4	Investigations
5	Civilian Officers (CSO etc.)
6	Desk and station assignments
7	Temporary and off-duty assignments
8	Youth/Tac/Auxiliaries
9	Administrative and Command (X999 is the agency's Chief) (XX90 thru XX93 are Sergeants) (XX95 are Lieutenants)

The "VHF Link" is 853.0125 (PL 156.7), NPSPEC 4, used to activate a VHF Mobile radio in command vehicles for Mutual Aid purposes. The VHF radio would be set on IFERN, ISPERN or other frequency as needed. Most Fire and Police vehicles still carry VHF radios for Mutual Aid purposes.

Some radios have other agencies frequencies in them, such as Wheeling, Rolling Meadows, Schaumburg, or NWCD's Hoffman Estates/Streamwood trunked system.

**NWCD Astro system:** Motorola Type II Astro multi-site Simulcast SmartZone, ID 7A22  
 851.0875dv 853.0750dv 851.5375dv 851.7875dv 856.7125c 851.8375v 852.3125v 853.7500v

You will need to use Custom Tables in Uniden scanners to properly monitor NWCD:

Band Plan	Base Freq Lower	Base Freq Upper	Offset	Polarity	Spacing
1	851.0250	854.0000	440	+	25 kHz
2	851.0125	868.9875	0	+	25 kHz

**NWCD Astro System Complete Talkgroup List:**

Dec	Tag	Dec	Tag
176	PD ATG 1	1488	Fire-2 (AH, BG, MP)
208	PD ATG 2	1520	Fire-3 (Future use)
240	PD ATG 3	1552	Arlington HtsFG
272	PD ATG 4	1584	Buffalo Grove FG
304	PD-1	1616	Elk Grove Village FG
336	PD-2	1648	Mt. Prospect FG
368	PD-3	1680	Palatine FG
400	PD-4	1712	Palatine Rural FG
432	PD-Admin-1	1744	Fireground 7
464	PD-Admin-2	1776	Fire Admin
496	PD-Admin-3	1808	Fire Insp
528	Inv-1	1840	FG-1
560	Inv-2	1872	FG-2
592	Inv-3	1904	FG-3
624	Patrol-1 MPPD "Ch2"	1936	Fire Training 1
656	Patrol-2 EGPD "Ch C"	1968	Fire Training 2
688	Patrol-3 AHPD "Ch 2"	2000	Fire Training 3
720	Patrol-4	2032	Arlington Hts. FG-2
752	PD-Tac-1	2064	Buffalo Grove FG-2
784	PD-Tac-2	2096	Elk Grove Village FG-2
816	PD-Tac-3	2128	Mt. Prospect FG-2
848	PD-Tac-4	2160	Palatine FG-2
880	Traffic-1	2192	Palatine Rural FG-2
912	Traffic-2	2224	Fireground 8
944	Traffic-3	2352	Patch?
976	Traffic-4	<b>Analog Talkgroups:</b>	
1008	Arlington Hts. City	57360	EGPW Admin
1040	Buffalo Grove City	57392	EGPW Eng.
1072	NWCD Techs	57424	EGPW Bld/F
1104	Mt. Prospect City	57456	EGPW Streets
1136	Palatine City	57488	EGPW Water
1168	Prospect Hts City (PHPD C-C)	57520	Elk Grove Village City
1200	City 7	57552	System-wide 1
1232	PD Admin-4	57584	System-wide 2
1264	PD Inv-4	57616	FD Mutual Aid 1
1296	NWCD Eng.	57648	FD Mutual Aid 2
1328	NWCD Admin	57680	PD Mutual Aid 1
1360	FD ATG 1	57712	PD Mutual Aid 2
1392	FD ATG 2	57744	NWCD Test
1424	FD ATG 3	57776	Fire Station Tone-out (DTMF)
1456	Fire-1 (EG, PL, PR, RM)	57808	Spare 2

**NWCD Analog system: (Hoffman Estates, Streamwood)** Motorola (Type II) System ID 633D  
 855.7125d 857.2125 855.4625 859.2625d (866.0125, DPL 315 Tac)

Hoffman Estates PD: 6000's Hoffman Estates FD Stations 21-24 Battalion 6 600's  
 Streamwood PD: 9000's Streamwood FD Stations 31-33 Battalion 9 900's

**Hoffman Estates/Streamwood Talkgroups**

<u>Dec</u>	<u>User</u>	<u>Dec</u>	<u>User</u>
48	FD dispatch	1840	SPD Channel 2
80	Fireground A	1872	Unknown but active
112	Fireground B	1904	Unknown
144	Fireground C	1936	HE/Streamwood Joint Ch 7
176	FD Training	3200	HEPW
208	Detectives	3248	HEPW Water
240	Administrative	3280	HEPW Building
1616	HEPD Ch 6	3312	HEPW Streets
1648	HEPD & SPD dispatch Ch 1	3632	HEPW
1680	HEPD Channel 2	3696	HEPD Channel 4
1712	HEPD Channel 3	4816	HE Citywide "A"
1744	SPD Channel 3	4976	Streamwood Citywide Ch 6
1776	SPD Covert Ch 5	64176	Radio Shop
1808	SPD Channel 4	64720	Unknown but active

**Rolling Meadows:**

When Rolling Meadows joined NWCD in 2009 operations for the police remained on 860.2125 (PL 127.3) for the time being. It is expected that a new trunking system for all of NWCD will be installed in or about 2012, at that time RMPD will be rolled into it. Fire has already transitioned to the 800 Digital system.

**Schaumburg** uses a Motorola Type II Astro/CAI digital and analog capable system that became part of NWCD early in 2007.

860.9625 859.7375 859.9625 860.4625 (Removed 2007)  
 857.9625 859.2125 854.6125 854.2125 (Added 2007)

866.0125 (88.5) Simplex on I-Tac4

**Talkgroups ID's:**

48	Police	Patrol	1840	FD	IFERN Patch (154.265)
80	Police	Detectives	1872	CW	Tac 1 "Covert"
112	Police	Administration	1904	CW	Tac 2 "Info"
144	Police	ISPERN Patch (155.475)	1936	CW	Tac 3 "Info"
208	Fire	Dispatch	1968	CW	Tac 4
240	Fire	Tac 1, Used to talk to NWCD	2000	CW	Tac 5
336	PW	Public Works 1, Streets	2064	Fire	Fire Tac 2
400	Police	ISPERN Patch?	2192	PD	ISP Patch?
496	Police	Roll Call	3216	PW	SCADA
720	PW	Engineering	3376	Misc	Data (SCADA?)
944	CW	Citywide Tactical 1	9904	PD	ISP Patch?
976	Police	Records Checks	12288	Parks	Rangers
1072	Misc	"VOS" Special Events	32752	Misc	Radio Techs
1104	PW	Public Works 3	32768	PD	Testing digital radios
1136	PW	Snow Command			

**Unknown Use:**

272 304 464 528 560  
 688 1040 1200 1232 1648  
 8144 8192 9008 11312 13584