

<Editors Note> Charlie and I write the NNJ / NYC-LI section of this publication.

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PRESIDENTIAL NIGHTHAWK AIRCRAFT FLEET(HMX)

- 046.7500 - HELICOPTER OPS/TRANSPORT - PRIMARY
- 046.7000 - HELICOPTER OPS - SECONDARY
- 046.8000 - HELICOPTER OPS - AUX
- 034.3500 - VIP TRANSPORT NET
- 375.0000 - TRANSPORT
- 142.7500 - COMMAND POST
- 265.8000 - SQUADRON COMMON

STANDARDIZED RAILROAD CHANNELS

Railroad

- 159.8100----TRAIN (AAR - CH 02)
- 159.9300----TRAIN (AAR - CH 03)
- 160.0500----TRAIN (AAR - CH 04)
- 160.1850----TRAIN (AAR - CH 05)
- 160.2000----TRAIN (AAR - CH 06)
- 160.2150----TRAIN (AAR - CH 07)
- 160.2300----TRAIN (AAR - CH 08)
- 160.2450----TRAIN (AAR - CH 09)
- 160.2600----TRAIN (AAR - CH 10)
- 160.2750----TRAIN (AAR - CH 11)
- 160.2900----TRAIN (AAR - CH 12)
- 160.3050----TRAIN (AAR - CH 13)
- 160.3200----TRAIN (AAR - CH 14)
- 160.3350----TRAIN (AAR - CH 15)
- 160.3500----TRAIN (AAR - CH 16)
- 160.3650----TRAIN (AAR - CH 17)
- 160.3800----TRAIN (AAR - CH 18)
- 160.3950----TRAIN (AAR - CH 19)
- 160.4100----TRAIN (AAR - CH 20)
- 160.4250----TRAIN (AAR - CH 21)
- 160.4400----TRAIN (AAR - CH 22)
- 160.4550----TRAIN (AAR - CH 23)
- 160.4700----TRAIN (AAR - CH 24)
- 160.4850----TRAIN (AAR - CH 25)
- 160.5000----TRAIN (AAR - CH 26)
- 160.5150----TRAIN (AAR - CH 27)
- 160.5300----TRAIN (AAR - CH 28)
- 160.5450----TRAIN (AAR - CH 29)
- 160.5600----TRAIN (AAR - CH 30)

- 160.5750----TRAIN (AAR - CH 31)
- 160.5900----TRAIN (AAR - CH 32)
- 160.6050----TRAIN (AAR - CH 33)
- 160.6200----TRAIN (AAR - CH 34)
- 160.6350----TRAIN (AAR - CH 35)
- 160.6500----TRAIN (AAR - CH 36)
- 160.6650----TRAIN (AAR - CH 37)
- 160.6800----TRAIN (AAR - CH 38)
- 160.6950----TRAIN (AAR - CH 39)
- 160.7100----TRAIN (AAR - CH 40)
- 160.7250----TRAIN (AAR - CH 41)
- 160.7400----TRAIN (AAR - CH 42)
- 160.7550----TRAIN (AAR - CH 43)
- 160.7700----TRAIN (AAR - CH 44)
- 160.7850----TRAIN (AAR - CH 45)
- 160.8000----TRAIN (AAR - CH 46)
- 160.8150----TRAIN (AAR - CH 47)
- 160.8300----TRAIN (AAR - CH 48)
- 160.8450----TRAIN (AAR - CH 49)
- 160.8600----TRAIN (AAR - CH 50)
- 160.8750----TRAIN (AAR - CH 51)
- 160.8900----TRAIN (AAR - CH 52)
- 160.9050----TRAIN (AAR - CH 53)
- 160.9200----TRAIN (AAR - CH 54)
- 160.9350----TRAIN (AAR - CH 55)
- 160.9500----TRAIN (AAR - CH 56)
- 160.9650----TRAIN (AAR - CH 57)
- 160.9800----TRAIN (AAR - CH 58)
- 160.9950----TRAIN (AAR - CH 59)
- 161.0100----TRAIN (AAR - CH 60)
- 161.0250----TRAIN (AAR - CH 61)
- 161.0400----TRAIN (AAR - CH 62)
- 161.0550----TRAIN (AAR - CH 63)
- 161.0700----TRAIN (AAR - CH 64)
- 161.0850----TRAIN (AAR - CH 65)
- 161.1000----TRAIN (AAR - CH 66)
- 161.1150----TRAIN (AAR - CH 67)
- 161.1300----TRAIN (AAR - CH 68)
- 161.1450----TRAIN (AAR - CH 69)
- 161.1600----TRAIN (AAR - CH 70)
- 161.1750----TRAIN (AAR - CH 71)
- 161.1900----TRAIN (AAR - CH 72)
- 161.2050----TRAIN (AAR - CH 73)
- 161.2200----TRAIN (AAR - CH 74)
- 161.2350----TRAIN (AAR - CH 75)
- 161.2500----TRAIN (AAR - CH 76)
- 161.2650----TRAIN (AAR - CH 77)
- 161.2800----TRAIN (AAR - CH 78)
- 161.2950----TRAIN (AAR - CH 79)
- 161.3100----TRAIN (AAR - CH 80)
- 161.3250----TRAIN (AAR - CH 81)
- 161.3400----TRAIN (AAR - CH 82)
- 161.3550----TRAIN (AAR - CH 83)

161.3700----TRAIN (AAR - CH 84)
 161.3850----TRAIN (AAR - CH 85)
 161.4000----TRAIN (AAR - CH 86)
 161.4150----TRAIN (AAR - CH 87)
 161.4300----TRAIN (AAR - CH 88)
 161.4450----TRAIN (AAR - CH 89)
 161.4600----TRAIN (AAR - CH 90)
 161.4750----TRAIN (AAR - CH 91)
 161.4900----TRAIN (AAR - CH 92)
 161.5050----TRAIN (AAR - CH 93)
 161.5200----TRAIN (AAR - CH 94)
 161.5350----TRAIN (AAR - CH 95)
 161.5500----TRAIN (AAR - CH 96)
 161.5650----TRAIN (AAR - CH 97)
 452.9375----TRAIN (EOT DEVICE - CANADA ONLY)
 457.9375----TRAIN (EOT DEVICE)
 072.5200----TRAIN (UNKNOWN DESIGNATION)
 162.4000----TRAIN (UNKNOWN DESIGNATION)
 935.8875----TRAIN (UNKNOWN DESIGNATION)
 935.8880----TRAIN (UNKNOWN DESIGNATION)
 935.9375----TRAIN (UNKNOWN DESIGNATION)
 935.9380----TRAIN (UNKNOWN DESIGNATION)
 935.9875----TRAIN (UNKNOWN DESIGNATION)
 935.9880----TRAIN (UNKNOWN DESIGNATION)
 936.8875----TRAIN (UNKNOWN DESIGNATION)
 936.8880----TRAIN (UNKNOWN DESIGNATION)
 936.9375----TRAIN (UNKNOWN DESIGNATION)
 936.9380----TRAIN (UNKNOWN DESIGNATION)
 936.9875----TRAIN (UNKNOWN DESIGNATION)
 936.9880----TRAIN (UNKNOWN DESIGNATION)

MARINE CHANNELS

With the summer fast approaching boating traffic and boating accidents will be increasing. Here's a handy reference you can use when the CG starts calling out frequencies by channel numbers.

156.0500----MARINE (MARINE CH 1)
 156.1500----MARINE (MARINE CH 3)
 156.2500----MARINE (MARINE CH 5)
 156.3000----MARINE (MARINE CH 6)
 156.3500----MARINE (MARINE CH 7)
 156.4000----MARINE (MARINE CH 8)
 156.4500----MARINE (MARINE CH 9)
 156.5000----MARINE (MARINE CH 10)
 156.5500----MARINE (MARINE CH 11)
 156.6000----MARINE (MARINE CH 12)
 156.6500----MARINE (MARINE CH 13)
 156.7000----MARINE (MARINE CH 14)
 156.7500----MARINE (MARINE CH 15)
 156.8000----MARINE (MARINE CH 16)
 156.8500----MARINE (MARINE CH 17)

156.9000----MARINE (MARINE CH 18)
 156.9500----MARINE (MARINE CH 19)
 157.0000----MARINE (MARINE CH 20)
 157.0500----MARINE (MARINE CH 21)
 157.1000----MARINE (MARINE CH 22)
 157.1500----MARINE (MARINE CH 23)
 157.2000----MARINE (MARINE CH 24)
 157.2500----MARINE (MARINE CH 25)
 157.3000----MARINE (MARINE CH 26)
 157.3500----MARINE (MARINE CH 27)
 157.4000----MARINE (MARINE CH 28)
 156.2750----MARINE (MARINE CH 65)
 156.3250----MARINE (MARINE CH 66)
 156.3750----MARINE (MARINE CH 67)
 156.4250----MARINE (MARINE CH 68)
 156.4750----MARINE (MARINE CH 69)
 156.5250----MARINE (MARINE CH 70)
 156.5750----MARINE (MARINE CH 71)
 156.6250----MARINE (MARINE CH 72)
 156.6750----MARINE (MARINE CH 73)
 156.7250----MARINE (MARINE CH 74)
 156.8750----MARINE (MARINE CH 77)
 156.9250----MARINE (MARINE CH 78)
 156.9750----MARINE (MARINE CH 79)
 157.0250----MARINE (MARINE CH 80)
 157.0750----MARINE (MARINE CH 81)
 157.1250----MARINE (MARINE CH 82)
 157.1750----MARINE (MARINE CH 83)
 157.2250----MARINE (MARINE CH 84)
 157.2750----MARINE (MARINE CH 85)
 157.3250----MARINE (MARINE CH 86)
 157.3750----MARINE (MARINE CH 87)
 157.4250----MARINE (MARINE CH 88)

AIRSHOW FREQUENCIES

Summer also brings air shows. Here's a handy guide that would be valid for any location in the US.

121.9000----BLUE ANGELS - GROUND SUPPORT
 123.4000----BLUE ANGELS - COMMON AIRSHOW
 134.1000----BLUE ANGELS - GCA COMMON
 142.0000----BLUE ANGELS - MAINTENANCE ALFA
 142.2625----BLUE ANGELS - GROUND SUPPORT
 142.6250----BLUE ANGELS - MAINTENANCE
 143.0000----BLUE ANGELS - MAINTENANCE BRAVO
 141.5600----BLUE ANGELS - MAINTENANCE CHARLIE
 142.0250----BLUE ANGELS - MAINTENANCE DELTA
 143.6000----BLUE ANGELS - MAINTENANCE CHANNEL 10
 241.4000----BLUE ANGELS - AIR/AIRCHANNEL
 243.0000----BLUE ANGELS - EMERGENCY
 250.8000----BLUE ANGELS - AIR/AIRCHANNEL
 251.6000----BLUE ANGELS - DEMONSTRATION
 263.3500----BLUE ANGELS - FLIGHT LINE COMMON
 263.5000----BLUE ANGELS - AIR/AIRCHANNEL

275.3500----BLUE ANGELS - COMM 1 LEAD & FORMATION
 302.1000----BLUE ANGELS - COMM 2 TALKBACK
 302.1500----BLUE ANGELS - COMM 3 SOLOS
 307.7000----BLUE ANGELS - COMM 2 FORMATION TALKBACK
 345.9000----BLUE ANGELS - AIR/AIRCHANNEL
 360.4000----BLUE ANGELS - COMM - SOLOS
 362.6000----BLUE ANGELS - AIR SHOW CONTROL
 384.4000----BLUE ANGELS - AIR/AIRCHANNEL
 391.9000----BLUE ANGELS - AIR/AIRCHANNEL
 395.9000----BLUE ANGELS - AIR/AIRCHANNEL
 408.4000----BLUE ANGELS - GROUND SUPPORT
 418.0500----BLUE ANGELS - GROUND SUPPORT
 216.5000----SNOWBIRDS
 227.6000----SNOWBIRDS
 236.6000----SNOWBIRDS
 239.6000----SNOWBIRDS
 240.5000----SNOWBIRDS
 243.4000----SNOWBIRDS
 245.0000----SNOWBIRDS
 245.7000----SNOWBIRDS
 266.3000----SNOWBIRDS
 275.8000----SNOWBIRDS
 283.9000----SNOWBIRDS
 289.4000----SNOWBIRDS
 294.5000----SNOWBIRDS
 295.6000----SNOWBIRDS
 310.8000----SNOWBIRDS
 316.5000----SNOWBIRDS
 322.8000----SNOWBIRDS
 344.5000----SNOWBIRDS
 356.6000----SNOWBIRDS
 363.8000----SNOWBIRDS
 378.5000----SNOWBIRDS
 114.9500----THUNDERBIRDS - UNKNOWN DESIG
 120.4500----THUNDERBIRDS - OPS
 124.9300----THUNDERBIRDS - UNKNOWN DESIG
 140.0000----THUNDERBIRDS - UNKNOWN DESIG
 140.4000----THUNDERBIRDS - AIR/AIR - TACTICAL
 141.8500----THUNDERBIRDS - AIR/AIR
 141.8500----THUNDERBIRDS - AIR/AIR - LEADER
 142.0000----THUNDERBIRDS - UNKNOWN DESIG
 235.2500----THUNDERBIRDS - GROUND - SHOW START
 236.5500----THUNDERBIRDS - AIR/AIR
 236.6000----THUNDERBIRDS - AIR/AIR
 250.8500----THUNDERBIRDS - TEAM LEADER
 241.4000----THUNDERBIRDS - AIR/AIR
 273.5000----THUNDERBIRDS - AIR/AIR
 283.5000----THUNDERBIRDS - AIR/AIR
 294.7000----THUNDERBIRDS - AIR/AIR
 322.3000----THUNDERBIRDS - AIR/AIR
 322.6000----THUNDERBIRDS - AIR/AIR
 322.9500----THUNDERBIRDS - AIR/AIR - SECOND TEAM
 382.9000----THUNDERBIRDS - AIR/AIR
 394.0000----THUNDERBIRDS - AIR/AIR
 413.0000----THUNDERBIRDS - GROUND CREW
 413.0250----THUNDERBIRDS - GROUND CREW

413.1000----THUNDERBIRDS - GROUND CREW

NJ SCANNER LAW

The NNJ Scan news list has recently had some chatter about the laws in NY and NJ as they apply to scanners. I found this information on a web site that addressed this topic. While I'm not certain if this is the actual verbage of each law, in cintent they are complete and correct.

New Jersey Scanner Law

NEW JERSEY STATUTES (1995)
 CODE OF CRIMINAL JUSTICE
 RIOT, DISORDERLY CONDUCT, ETC.

2C:33-21. Use of information intercepted from police, fire or emergency medical communications system. Any person who intercepts any message or transmission made on or over any police, fire or emergency medical communications system, or any person who is the recipient of information so intercepted, and who uses the information obtained thereby to facilitate the commission of or the attempt to commit a crime or violation of any law of this State, or uses the same in a manner which interferes with the discharge of police operations, shall be guilty of a crime of the fourth degree. L.1991, c. 432, s. 1, eff. Jan 18, 1992.

2C:33-22. Possession of radio capable of receiving transmission from police, fire, or emergency medical communication system

Any person who, while in the course of committing or attempting to commit a crime, including the immediate flight therefrom, possesses or controls a radio capable of receiving any message or transmission made on or over any police, fire or emergency medical communications system, shall be guilty of a crime of the fourth degree. L.1991, c. 432, s. 2, eff. Jan 18, 1992.

A NOTE ABOUT THESE LAWS: Please note that these two ordinances do NOT seem to be making the simple possession of a scanner an illegal thing. What the laws seem to be stating is that having a scanner is fine - even mobile, as I do not see a single mention of anything about that at all.

However, same to commit a crime is illegal. For example, using a scanner to find out ahead of time where the police are NOT patrolling, and then going to that area and committing a rape, a robbery, a burglary - that is illegal. Likewise, using a scanner to then find out when the police have been alerted to your offense and using it to evade and elude the police - that is a crime. Sounds a bit ridiculous, doesn't it? However, keep in mind that to be prosecuted for it, an offense or crime has to be defined in black and white first.

But the law deals with scanners, and in the state of NJ; therefore, I decided to put this one up here.

NY SCANNER LAW

Section 397 - New York State Vehicle and Traffic Law

The following is the complete text of section 397 of the New York State vehicle and traffic law. This section governs the use of mobile scanners in motor vehicles. Following the statute is a brief summary of the case law relevant to this section.

This text is from _McKinney's Consolidated Laws of New York Annotated.

397. EQUIPPING MOTOR VEHICLES WITH RADIO RECEIVING SETS CAPABLE OF RECEIVING SIGNALS ON THE FREQUENCIES ALLOCATED FOR POLICE USE.

A person, not a police officer or peace officer, acting pursuant to his special duties, who equips a motor vehicle with a radio receiving set capable of receiving signals on the frequencies allocated for police use or knowingly uses a motor vehicle so equipped or who in any way knowingly interferes with the transmission of radio messages by the police without having first secured a permit to do so from the person authorized to issue such a permit by the local governing body or board of the city, town or village in which such person resides, or where such person resides outside of a city, or village in a county having a county police department by the board of supervisors of such county, is guilty of a misdemeanor, punishable by a fine not exceeding one thousand dollars, or imprisonment not exceeding six months, or both. Nothing in this section contained shall be construed to apply to any person who holds a valid amateur radio operator's license issued by the federal

communications commission and who operates a duly licensed portable mobile transmitter and in connection therewith a receiver or receiving set on frequencies exclusively allocated by the federal communications commission to duly licensed radio amateurs.

RUTGERS UNIVERSITY

155.820 MHz - F-1 - Fire, Guards, First Aid, Police

155.685 MHz - F-2 - Police (Repeater atop Hill Center)

153.890 MHz - RUFD Fireground, referred to as Channel 4 (shared with New Brunswick FD) 153.785 MHz -

Stadium Operations (AKA Ch. 6...SPEN 4...720 talkaround)

Police and guards use calls of the following types:

C Charlie N - Patrol cars

C Golf N - Guard unit F-1 only

C Mike N - Mounted officer, Cook/Douglass only

C Alpha N - Ambulatory [foot] patrol police officer

C X-Ray N - Extra unit for special event - police

Where C is the campus number:

1 - 5th and 6th Wards of New Brunswick

2 - College Ave

3 - Douglass

4 - Busch

5 - Livingston

6 - Cook

and N is the number of that unit on that campus (usually 1 or 2 except for Alpha units, which run much higher at special events such as protests)

Note that campus number 6 is only used for 6 Charlie 1, the Cook patrol car. Also, during the day and sometimes at night also, there is a car shared between Busch and Livingston (by himself during the day). This car is 45. Due to low staffing, 36 is sometimes a car shared between Cook/Douglass.

There is usually 1 car per campus, though there is generally a car 2 on Busch and CAC at night on Thursday - Saturday. Any X-Ray units are generally assigned to parties at student centers, especially on Livingston for ethnic frat parties, which generally fill the student center. There are usually 1 or 2 Alpha units on CAC in the Mine Street -Easton Avenue area at night from Thursday - Saturday.

Other RUPD units use their badge numbers.

- 100 - Chief
- 101 - Deputy Chief
- 102-103 - probably Captains
- 106-111 - Lieutenants - these numbers, but they are about right.
- 120s - Detectives
- 130s - Sergeants
- 140s - somebody, I don't know who
- 160s - the President's chauffers

Also, 99 is the VP for Public Safety, and 98 is the University President (who doesn't use the radio, but is referred to as "98" as in "98's house").

Occasionally, the police are referred to by a unique identifier which doesn't seem to be a badge number but could be. These take the form of 36XX, where XX is a two-digit number between 10 and 60 or so. These calls are used to refer to that particular officer, and are often used to find a given officer when their location is unknown, or to distinguish officers at a special event, such as a basketball game or protest. This number is always the same for a given person.

The Rutgers First Aid Squad (Duty ambulance generally referred to as "720" or Rutgers EMS) has some units:

- 720 - general name for Rutgers EMS duty ambulance
- 7201, 7202 - the EMTs themselves
- 721, 722, 725 - ambulances (referred to only when mult. rigs out at special events)
- 723 - 1992 Knight Line Type II Ford Van
- 724 - the new ambulance
- 725 - 1995 Knight Line Type II Ford Van
- 726 - 1998 Knight Line Type II Ford Van
- 6000+-EMT employee number, only used when looking for specific EMT
- Station 2 - the first aid station on Busch

The Fire Department has a few units:

- 200 - Chief (also referred to as 700)
- 201 - the Deputy Chiefs
- 202 - Unit Coordinator (Office Administrator)
- 210 - former paid Captain (no authority over Fire Company)

Volunteer Fire Company Officers:

- 220 - Captain
- 221 - 1st Lieutenant
- 222 - 2nd Lieutenant
- 223 - Sergeant

- Engine 1 - Little White Engine (1983 Pierce mid-size pumper)
- Engine 2 - Brand new big white engine (1995 Pierce Saber rescue pumper)
- 23, 24 - Fire Inspector Cars (never referred to on air)
- 230 - Chief Inspector
- 231 - Specialist (Inspector)
- 232-234 - Other Inspectors
- Station 1 - the firehouse on Busch

The Handicapped Vans are 733-734.

The police use a bunch of codes also. A lot of the time, the 10- part is not used. Here's what I remember:

- Number 1 - Caucasian
- Number 2 - Black
- Number 3 - Oriental (usually just said as "oriental")
- 10-3 back on post, go back on post
- 10-4 the obvious
- 10-6 stand by
- 10-7 out of service
- 10-8 back in service
- 10-9 repeat last message
- 10-12 May I speak freely? (used when the officer in question may be in hearing range of a suspect)
- Answer in the affirmative or 10-6
- 10-13 return to HQ (Huntington St), HQ itself
- 10-20 location, what is your location?
- 10-21 phone call (from any phone)
- 10-22 call from emergency box (red phone), a red phone
- 10-25 car accident
- 10-32 prepare to copy numbers
- 10-40 switch to channel 1
- 10-45 traffic stop with a verbal warning
- 10-46 disabled vehicle
- 10-47 license plate lookup
- 10-48 traffic stop
- 10-49 NCIC/SCIC lookup on car or person
- 10-50 rendezvous at (location)
- 10-51 a tow truck - request for a tow truck
- 10-53 car lock-out, door lock-out (also 53 tool = slim-jim)
- 10-54 arrest
- 10-57 Bravo X - active burglar alarm at coded location B-X where X is an integer

10-59 suspicious person
 10-60 suspicious vehicle
 10-70 sexual assault
 10-76 burglary has taken place
 10-77 warrant check
 10-90 meal (dinner, lunch)
 10-93 incident report (Take a 93 of a 76)
 4100 building 4100 - the gas pumps at Phys Plant on Livingston

AERO TELEPHONE CHANNELS

450 MHz Air-Ground Mobile Phones

Below are the frequencies for the 400MHz air-to-ground telephones found in private Aircraft. The transmissions on these frequencies are FM. Cities throughout the country have been allocated anywhere from one to three of the channels listed below. Those channel allocations are listed below. Keep in mind that not all the allocated channels may be in use in a particular area.

When monitoring these frequencies, be aware that the ground stations repeat the airborne half of the conversation, but transmit an annoying continuous tone when not in use. If you are within range of the ground station and want to avoid the tones but hear both sides of calls when they're made, you can do so by programming both frequencies into your scanner. Lock out the ground frequencies when scanning, and when a call is received from a plane, manually step up to the ground frequency to hear both sides. If you are out of range of the ground station, you will only be able to hear the plane side of the conversation. This service is used on private aircraft.

Channel 1 - Ground 454.950
 Channel 1 - Plane 459.950
 Channel 2 - Ground 454.900
 Channel 2 - Plane 459.900
 Channel 3 - Ground 454.850
 Channel 3 - Plane 459.850
 Channel 4 - Ground 454.800
 Channel 4 - Plane 459.800
 Channel 5 - Ground 454.750
 Channel 5 - Plane 459.750
 Channel 6 - Ground 454.700
 Channel 6 - Plane 459.700
 Channel 7 - Ground 454.725
 Channel 7 - Plane 459.725
 Channel 8 - Ground 454.775
 Channel 8 - Plane 459.775

Channel 9 - Ground 454.825
 Channel 9 - Plane 459.825
 Channel 10 - Ground 454.875
 Channel 10 - Plane 459.875
 Channel 11 - Ground 454.925
 Channel 11 - Plane 459.925
 Channel 12 - Ground 454.975
 Channel 12 - Plane 459.975
 Calling - Ground 454.675 (ALL STATIONS)
 Calling - Plane 459.675 (ALL STATIONS)

State	City	Channel
DC	Washington	1,5
MA	Boston	2,3,4
NJ	Newark	6,8,9
NY	Albany	11
NY	Elmira	5

The Urban DX'er would like to thank all those who contributed to this months issue!

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