



NORTHERN CALIF APCO LOG FOR AUG-SEPT 2004

Actions taken from July 9 to Sept 3.

ITEM	COORD	STATUS	AGENCY	TX CITY	FREQUENCY/STN CLASS/ERP/ELEVATIONS AND REMARKS
PUBLIC SAFETY POOL (ALL COORDINATORS)					
may 04	app pend	co nevada	grass valley	154.055 or 154.7550 fb/fb2 158.7300 fx1/mo ??erp ??aat 881 msl ??agl. New courts.	
may 04	app pend	co humboldt	co humboldt	460.3500 .4250 .5250 fb/fb2/mo 453/458.8500 fxo ?? Erp ??aat ??msl ??agl. Horse, pratt & pierce	
june 04	app pend	lodi	lodi	154.0400 fb/mo 10 w erp ??aat 6 msl 9 agl. Replace. Pw/ap	
july 04	app pend	co modoc	co modoc	153.9200 fb/fb2 158.8350 fx1/mo. Restore. All mtn sites.	
july 04	app pend	co modoc	co modoc	153.8600 fb/fb2 159.0900 fx1/mo. high level. New.	
july 04	app pend	co modoc	co modoc	460/465.2000 fbt/fb2t/fx1t/mo. Tactical command system. New.	
july 04	app pend	co modoc	co modoc	155.6400 fb/mo 155.1450 156.1800 mo. New.	
july 04	app pend	co modoc	co modoc	453/458.98750 fxo/fx1. Link - Alturas-Happy Camp. New.	
july 04	app pend	co modoc	co modoc	453/458.11250 fxo Link - Alturas-Grouse Mtn. New.	
july 04	app pend	co modoc	co modoc	453/458.13750 fxo Link - Alturas - Payne Pk. New.	
july 04	app pend	co modoc	co modoc	453.93750 fxo Link -Alturas - Payne Pk. New (2nd path).	
july 04	app pend	co modoc	co modoc	156.0300 fb/mo. MSK AVL system. High level. New.	
july 04	app pend	co modoc	co modoc	460/465.5250 MSK AVL system. High level. New.	
157308	PEND	FARMERSVILLE FPD	FARMERSVILLE	????????? FB/FB2 ?????????? FX1/MO 100 W ERP 463 AAT 463 MSL 27.4 AGL. NEW. PW/AP.	
160601	APP INF	SANTA CLARA	SANTA CLARA	453 or 458.8875 MO 2 W ERP. 11K0 F3E AND F2D EMISSIONS. ADD FREQ.	
160615	PEND	CO SANTA CLARA	CO SANTA CLARA	151.1450 FB/FB2 159.1200 FX1/MO 151.4900 MO 400 W ERP ?? AAT 1307 MSL 24.4 AGL. Add 11K2 EMISSION. PW/AP	
169540	APP INF	YOLO CO AIRPORT	WOODLAND	453.96250 FXO 1.5 W ERP 30 AAT 30 MSL 7 AGL. NB DATA. NEW. PW/AP.	
170335	PEND	CO SANTA CLARA	SAN JOSE	33.960 153.905 154.145/.205/.175 155.985 FB 158.355/.995 FX1 100 W ERP -50 AAT 18 MSL 23 AGL. ADD FRQS&EMISS. PW/AP	
170340	PEND	GILROY	GILROY	156.0900 FB2 ? FX1/MO 100 W ERP 61 MSL 23 AGL. ADD FB2 MODE & NEW MO. PW/AP.	
170830	PEND	CO CONTRA COSTA	BALD	155.1150 FB/FB2 131 W ERP 487 AAT 583 MSL 40 AGL. PW/AP. NEW.	
171052	APP INF	CO KINGS	JOAQUIN RIDGE (FRS)	460.0750 FB2 450 W ERP (FAILS 90.205) 640.4 AAT 1083 MSL 23 AGL. ADD TO EXIST SYS. PW/AP	
172522	FCCA denial	ST CA: CDF	STATEWIDE	151.1525 .1675 .1875 .2575 .3025 .3175 3325 .3475 .3625 .3775 .3925 .4525 .4675 MO 100 W ERP.NB. PW/AP	
172522	FCCA denial	ST CA: CDF	STATEWIDE	159.2175 .2775 .2925 .3075 .3225 .3375 .3525 .3675 .3825 .3975 MO 100 W ERP. NB. PW/AP. 7020 UNITS	
172849	APPD	BERKELEY	BERKELEY	460.3000 .4000 .4750 FB/FB2/FB2S/FX1/MO 200 W ERP -40.4 AAT 2 MSL 24.4 AGL. ADD FREQS. PW/AP	
173167	ADJ STATE	CO KINGS	CO KINGS	460.0750 .1250 .5500 FB2/FX1/MO 50 W ERP 690 AAT 672 MSL 18.2 AGL. WB DATA. MULTI SITES. PW/AP	
173577	FREQ HOLD	ROCKLIN	ROCKLIN	155.7000 FB/FB2/MO 153.9050 FX1/MO 45 W ERP 11.3 AAT 87 MSL 8.8 AGL. Del 155.5650. Conv to fb2. PW/AP	
173819	FYI	CO KERN	BAKERSFIELD	453.26250 .56250 FB/FB2/FX1/MO 200 W ERP 610 AAT 1336 MSL 24 AGL. NB. NEW. PW/AASHTO	
168309	FYI	ASHLAND, OR	ASHLAND, OR	159.1500 FB2/MO 154.8450 FX1/MO 300 W ERP -312 AAT 683 MSL 15 AGL. PW/AP.	
174430	APPD OBJECTION	CO STANISLAUS	MT OSO	453.1750 151.1150 FB/FB2 500 W ERP 548 AAT 982 MSL 28.3 AGL. ADD TO SYSTEM. PW/IMSA	
172522	PEND	ST CA: CDF	STATEWIDE	151.1525 .1675 .1875 .2575 .3025 .3175 3325 .3475 .3625 .3775 .3925 .4525 .4675 MO 100 W ERP.NB. PW/AP	
172522	PEND	ST CA: CDF	STATEWIDE	159.2175 .2775 .2925 .3075 .3225 .3375 .3525 .3675 .3825 .3975 MO 100 W ERP. NB. PW/AP. 7020 UNITS	
173767	PEND	CLR LK OAKS WAT DIST	CLEAR LAKE OAKS	154.0250 FB/FB2 158.9100 MO 60 W ERP -152 AAT 398 MSL 12.1 AGL ADD FB2 MODE. PW/AP	
175019	APP INF	ST CA: OES	TOLLHOUSE (FRS)	153.7550 FB/FB2 235 W ERP 513.6 AAT 1103.7 MSL 45.7 AGL. MOD EXIST. PW/AP.	
175020	APP INF	ST CA: OES	SUSANVILLE	153.7550 FB/FB2 141 W ERP 694.6 AAT 2052 MSL 36.6 AGL. MOD EXIST. PW/AP.	
175444	WRN	ST CA: CHP	ATWATER	159.0300 FX1 398 W ERP @270° 22 AAT 44 MSL 24.4 AGL. PW/AP.	
175539	FCCA DENIAL	ST CA: CDF	SUSANVILLE-SAFFER MTN	151.3250 .3550 .2650 79 W ERP 695.9 AAT 2052.8 MSL 36.6 AGL. MINOR MODS ADD 151.2650 PW/AP	
175544	FCCA DENIAL	ST CA: CDF	GRENADA (ANTELOPE PK)	151.1900 .3250 FB/FB2 80 W ERP 367 AAT 1780 MSL 21.3 AGL. MINOR MODS. PW/AP	

174518	OFFICE HOLD JACKSON RANCHERIA	JACKSON	451.1750 .2750 452.2500 .4750 .6750 .9750 461.2500 .5750 FB/MO 177 W ERP 163 AAT 486 MSL 27 AGL. PW/AP
175615	FCCA DENIAL ST CA: CDF	SUSANVILLE	151.2500 .2800 FB 159.3000 ,3300 .4050 FX1 238 W ERP -146.3 AAT 1387.4 MSL 24.4 AGL. MINOR MODS. PW/AP
176014	APPD CO PLACER	CO PLACER	460/465.53750 MO 5 W ERP NB. 2459 & 2474 MO 2 W ERP. Bomb robot. PW/AP
176330	APPD ST CA: OES	WOODLAND	159.1350 .1950 FX1 100 W ERP 53.9 AAT 21 MSL 54.9 AGL. MINOR MODS. DEL 33.66 .98 PW/AP
176331	APPD ST CA: OES	STATEWIDE	154.9200 155.4750 FB2T 110 W ERP. PW/AP
176404	PEND CO PLACER	LK TAHOE AREA	151.0400 151.1150 FB/FB2 155.9100 156.2100 MO 250 W ERP 227 AAT 2283 MSL 27 AGL. YP/AP
176409	PEND SANTA ROSA	SANTA ROSA	460/465.0875 6 W ERP -54.9 AAT 24.9 MSL 7 AGL. NEW. PW/AP. IRRIGATION SYS.
176415	APP INF ST CA: CDF	PINE GROVE (ZION)	151.4300 FB/FB2 135 W ERP 304 AAT
176419	APPD ST CA: OES	OROVILLE (BLOOMER)	153.7550 FB/FB2 204 W ERP 518.2 AAT 914.4 MSL 54.9 AGL. MINOR MODS. PW/AP
176421	APPD ST CA: DWR	OROVILLE (BLOOMER)	151.2350 FB/FB2 135 W ERP 518.2 AAT 914.4 MSL 54.9 AGL. MINOR MODS. PW/AP
176423	APPD ST CA: DOJ	OROVILLE (BLOOMER)	154.6800 FB/FB2 135 W ERP 518.2 AAT 914.4 MSL 54.9 AGL. MINOR MODS. PW/AP
176435	APPD RED BLUFF	RED BLUFF	155.8200 FB/FB2 158.9550 MO 110 W ERP -15.8 AAT 91 MSL ?? AGL. PW/AASHTO
176516	PEND ST CA: CDF	PINE GROVE (AMA) ZION	151.1900 151.2650 FB/FB2 170 W ERP 304 AAT 902.2 MSL 43.3 AGL. PW/AP
176522	APPD ST CA: OES	OAKLAND	153.7550 FB 154.9800 FX1 100 W ERP -2.7 AAT 9.1 MSL 73.8 AGL. MINOR MODS. PW/AP
176523	APP INF ST CA: OES	VISALIA	159.1350 159.1950 FX1 89 W ERP 36.6 AAT 103.6 MSL 30.5 AGL. DEL 33 MHZ. PW/AP.
176548	APPD CO SONOMA	CO SONOMA	155.1000 FB/FB2/FB2T/MO 155.8350 FX1/MO 40 W ERP 428 AAT 732 MSL 74 AGL. PW/AP. RESTORE
176551	PEND CO SANTA CLARA	CO SANTA CLARA	155.7000 156.2100 FB/FB2 110 W ERP 108 AAT 454 MSL 41.5 AGL. MINOR MODS & ADD NB. PW/AP
176552	APPD SANGER	SANGER	154.3400 FB2/MO 155.0550 MO 150.8050 FX1/MO 100 W ERP 22.6 AAT 91.4 MSL 46.0 AGL. PW/IMSA.
176558	PEND CO SANTA CLARA	CO SANTA CLARA	154.2500 FB2 154.1450 MO 158.3550* MO 100 W ERP 108 AAT 454.1 MSL 30.5 AGL. MINOR MODS
176568	APPD ST CA: CDF	REDDING	159.13500 .19500 FX1 63 W ERP 1.8 AAT 153 MSL 21 AGL. MOD EXIST. PW/AP.
176570	APPD CO SONOMA	CO SONOMA	155.2650 FB 155 W ERP 61.3 AAT 1051 MSL 65.5 AGL. RESTORE. PW/AP
176571	APPD ST CA: CDF	GRASS VALLEY	151.2800 FB 110 W ERP 176 AAT 953.1 MSL 30.5 AGL. CORRECTS FCC ERROR. PW/AP.
176550	APPD ST CA: OES	PINE GROVE (MT ZION)	153.7550 FB/FB2 148 W ERP 304.2 AAT 902.2 MSL 43.3 AGL. MINOR MOD. PW/AP.
176584	APPD ST CA: P&R	N COAST HI LEV	151.4750 FB/FB2/MO 158.8650 FX1/MO 230 W ERP 741 AAT 48.8 AGL. MINOR MODS. PW/AP
176612	APPD CUPERTINO	CUPERTINO	158.9250 FB/MO 55 W ERP -109 AAT 110 MSL 12 AGL. NEW. PW/IMSA
176687	APPD FRESNO	FRESNO	453.5250 FB/FB2 75 W ERP 82 AAT 90 MSL 72 AGL. ADD TO EXIST. PW/AP.
176688	APPD FRESNO	FRESNO	453.8000 FB/FB2 75 W ERP 82 AAT 90 MSL 72 AGL. ADD TO EXIST. PW/AP.
176783	APPD REEDLEY	REEDLEY	155.9400 FB/FB2/MO 158.9550 FX1/MO 100 W ERP 33.1 AAT 106.4 MSL 81.1 AGL. MOD EXIST. PW/AP
176843	APPD MANTECA	MANTECA	458.11250 FXO/FXOT 6 W ERP -2.5 AAT 43 MSL 5 AGL. IRRIG SYS. PW/AP
176879	APPD PITTSBURG	PITTSBURG	155.8800 FB/MO 100 W ERP -47.6 AAT 46 MSL 17 AGL. RESTORE. PW/AP
176885	APPD ST CA: CHP	OROVILLE (BLOOMER)	460.4500 FB/FB2 398 W ERP 518.2 AAT 914 MSL 54.9 AGL. MOD EXIST. PW/AP
176899	APPD ST CA: OES	OROVILLE (BLOOMER)	453.8750 FB/FB2 237 W ERP 518.2 AAT 914 MSL 54.9 AGL. MOD EXIST. PW/AP
176902	APPD ST CA: OES	OROVILLE (BLOOMER)	154.2200 FB/FB2 187 W ERP 518.2 AAT 914 MSL 54.9 AGL. MOD EXIST. PW/AP
176903	APPD ST CA: CDF	OROVILLE (BLOOMER)	151.4300 FB/FB2 135 W ERP 518.2 AAT 914 MSL 54.9 AGL. MOD EXIST. PW/AP
176915	APPD ST CA: CDF	SUSANVILLE (ROOF)	151.1900 .2500 FB/FB2 200 W ERP 627 AAT 2316 MSL 19.8 AGL. ADD .2500 PW/AP
176917	APPD ST CA: DOT	PINE GROVE (ZION)	47.1000 FB 91 W ERP 304.8 AAT 902.2 MSL 43.9 AGL. MOD EXIST. PW/AP
176843	APPD MANTECA	MANTECA	458.1125 FXO/FXOT 6 W ERP -2.5 AAT 43 MSL 5 AGL. 11K2F1D. PW/AP
176879	APPD PITTSBURG	PITTSBURG	155.8800 FB/MO. RESTORE, EXISTS. PW/AP
176966	APPD CO SANTA CLARA	CO SANTA CLARA	151.1450 FB VARIOUS LOCATIONS. PW/AP
176967	APPD CO SANTA CLARA	CO SANTA CLARA	151.0550 FB VARIOUS LOCATIONS. PW/AP
176969	APPD CO SANTA CLARA	CO SANTA CLARA	VARIOS LOC. EXIST FREQS. MINOR MODS. PW/AP
177038	APPD CO CALAVERAS	CO CALAVARAS	151.0100 .0400 .0550 FB/FB2 155.0850 .9550 .8650 FX1/MO 90 W ERP 637 AAT 1829 MSL 36 AGL. PW/AP
177067	APPD ST CA: DWR	MT ZION (AMA)	151.2050 FB/FB2 68 W ERP 304 AAT 902.2 MSL 43.3 AGL. NEW TOWER. PW/AP
177147	APPD ST CA: OES	SHAFFER MTN (LAS)	155.7000 FB/FB2 97 W ERP 709 AAT 2052 MSL 36.6 AAT. MINOR MOD. PW/AP
177161	APPD CO PLACER	TAHOE CITY	155.6700 FX1 10 W ERP -94.3 AAT 1937.6 MSL 25.9 AGL. RELOCATE. PW/AP.

177182	APPD	ST CA: CHP	SALINAS	42.3400 .4600 FB 154.6800 .9200 .4600 FB 158 W ERP -315 AAT 18.4 MSL 30.5 AGL. RELOCATE. PW/AP
177185	APPD	CO PLACER	TAHOE CITY	453/458.4250 FB/FB2/FX1/MO -94.3 AAT 1937.6 MSL 25.9 AGL. RELOCATE. PW/AP.
177186	APPD	CO SONOMA	MT BARHAM (S ROSA)	154.17500 FB 57 W ERP 325 AAT 487 MSL 65.5 AGL. MINOR MOD. PW/AP
177221	APPD	ST CA: CHP	MT ZION (AMA)	42.3400 .5600 FB 63 W ERP 304 AAT 902.2 MSL 43.3 AGL. NEW TOWER. PW/AP
177237	APPD	ST CA: CDF	BLOOMER (BUT)	151.2650 .3500 FB/FB2 135 W ERP 627 AAT 2316 MSL 19.8 AGL. PW/AP
177249	APPD	MARYSVILLE	MARYSVILLE	458.8750 FX1 50 W ERP 6.1 M RULE. PW/AP
177259	APPD	ST CA: CHP	BLOOMER (BUT)	42.3400 .5000FB 50 W ERP 627 AAT 2316 MSL 19.8 AGL. PW/AP
177305	APPD	ST CA: CDF	SUGARLOAF (SHA)	151.1600 FB/FB2 100 W ERP 410 AAT 1201.5 MSL 10.7 AGL. NEW. PW/AP.
177310	APPD	CO MONTEREY	SALINAS	155.0850 FB/FB2/MO 153.9650 FX1/MO 50 W ERP -86.1 AAT 86.6 MSL 6.1 AGL. PW/AP
177310	APPD	CO MONTEREY	SALINAS	155.0850 FB/FB2/MO 153.9650 FX1/MO 50 W ERP -86.1 AAT 86.6 MSL 6.1 AGL. PW/AP
177315	APPD	CO MONTEREY	CO MONTEREY	151.1600 .3400 FB/MO 200 W ERP VARIOUS AAT, MSL, AGL. ADD STNS TO EXIST. PW/AP.
177351	APPD	CO PLACER	MT ROSE (WASHOE)	161.8250 .8500 FB/FB2 157.2250 .2500 MO 6 W ERP 1045 AAT 3100 MSL 16.5 AGL. YW/AP.
177359	APPD	CO PLACER	MT PLUTO (PLA)	161.8250 .8500 FB/FB2 157.2250 .2500 MO 17 W ERP 600.6 AAT 2622 MSL 36.9 AGL. YW/AP.
177463	PEND	CO SOLANO	CO SOLANO	155.1600 FB/FB2 156.1500 .0900 FX1/MO 100 W ERP ?? AAT ?? MSL ?? AGL. PW/AP
177514	APPD	ST CA: CHP	???	42.1200 .3400 .4600 FB 458.2000 465.3750 FX1 100 W ERP ?? AAT ?? MSL ?? AGL. NEW. PW/AP.
177616	APPD	ST CA: CHP	LOMA PRIETA (SCLA)	42.3400 .5400 FB/FB2 100 W ERP 801 AAT 1152.2 MSL 47.2 AGL. NEW. PW/AP
177762	APPD	ST CA: CDF	COULTEVILLE (MARIP)	151.2650 FB/FB2 205 W ERP 331 AAT 868.7 MSL 30.5 AGL. ADD FREQ TO EXIST. PW/AP

470-512 MHz POOL (800 Mhz listings are on page 4)

nov 02 app pend st ca: oes bay area (coord chnl) ????.???? Fb/fb2/fx1/mo ?? W erp ?? Aat ??msl ??agl. Bay inter-agency intercom.

800 MHz PUBLIC SAFETY (GP, YP, GF, YF)

sept 03	app pend	st ca:dmh	coalinga	3 of following: 855,856,857,859,860.4625 GP channels. 112 w erp @ 135°/3° down, 574' msl ? Aat ? Agl
mar 04	app pend	co contra costa	pittsburg	868.41250 fb/fb2 170 w erp 133.5 aat 221 msl 10 agl. Adds to existing sys. Gf/ap
156156	APP INF	CHABOT-LOS POSADAS	HAYWARD	858.96250 FB2/MO 65 W ERP ?? AAT 12.1 MSL 10.5 AGL. NEW GP/AP.
169880	WDRN	ST NV: DOT	OLYMPIC VALLEY	856.23750 856.96250 857.96250 FB2C 55 W ERP 325 AAT 2499 MSL 18 AGL. YP/AASHTO.
176171	APPD	ST CA: DOT	HOUGH MTN	859.76250 FB/FB2/FX1 35 W ERP 842 AAT 2204.3 MSL 18.3 AGL. NEW. GP/AP.
176408	APP INF	ST CA: P&R	PINE GROVE (ZION)	856.7375 858.7625 FB/FB2/FX1/MO 184 W ERP 282.9 AAT 902 MSL 43.3 AGL. ADD 2N CHNL MINOR MODS. GP/AP
176906	APPD	CO SANTA CLARA	SAN JOSE	856/857.43750 FB/FX1 200 W ERP -53 AAT 18.3 MSL 30.5 AGL. STN ADD CORRECTION-NO OTHER MODS. GP.
176921	APPD	ST CA: DOT	PINE GROVE (ZION)	859.9375 FB/FB2 216 W ERP 304.8 AAT 902.2 MSL 43.9 AGL. MOD EXIST. GP/AP
176924	APPD	ST CA: DOT	OAKHURST (DEADWOOD)	857/859.7875 FB/FB2/FX1 80 W ERP 575 AAT 1383.8 MSL 30.5 AGL. MOD EXIST. GP/AP
177060	APPD	ST CA: DOT	BLUE RIDGE (TUL)	857.73750 FB/FB2 35 W ERP 811 AAT 1745 MSL 24.4 AGL. MINOR MODS. GP/AP
177218	APPD	ST CA: P & R	BLOOMER (BUT)	857.93750 FB/FB2 77 W ERP 513 AAT 914.4 MSL 54.9 AGL. RELOCATE TO NEW TWR ADJACENT. GP
177224	APPD	ST CA: DOT	SHAFFER	856.98750 FB/FB2 73 W ERP 708 AAT 2052.8 MSL 36.6 AGL. RELOCATE TO NEW TWR ADJACENT. GP
177314	APPD	ST CA: DOT	BLOOMER (BUT)	859.98750 FB/FB2 73 W ERP 513 AAT 914.4 MSL 54.9 AGL. RELOCATE TO NEW TWR ADJACENT. GP
177316	APPD	CO CONTRA COSTA	CO CONTRA COSTA	867.86250 .86750 868.8750 FB/FB2. ADD LOCATIONS. GF/AP
177317	APPD	ST CA: DC	BLOOMER (BUT)	866.53750 FB/FB2 73 W ERP 513 AAT 914.4 MSL 54.9 AGL. RELOCATE TO NEW TWR ADJACENT. GF
177319	APPD	ST CA: DC	SHAFFER	866.53750 FB/FB2 73 W ERP 708 AAT 2052.8 MSL 36.6 AGL. RELOCATE TO NEW TWR ADJACENT. GF
177362	APPD	ST CA: DOT	MEADOW LAKES (FRS)	856.98750 FB/FB2 70 W ERP 557 AAT 1365.5 MSL 22.9 AGL. MINOR MODS. GP/AP
177364	APPD	ST CA: DOT	CONVERSE MTN (FRS)	857.73750 FB/FB2 50 W ERP 659 AAT 2209 MSL 14.3 AGL. MINOR MODS. GP/AP
177379	APPD	ST CA: DOT	MUSIK MTN (FRS)	857.98750 FB/FB2 80 W ERP 553 AAT 2074 MSL 24.4 AGL. MINOR MODS. GP/AP
177550	APPD	ST CA: DOT	SO LAKE TAHOE	858.98750 859.73750 38 W ERP -162 AAT 1900 MSL 9.1 AGL. NEW. GP/AP

SHOWING THE AOP >40 KM IN HIGH-BAND OR >32 KM UHF REQUIRES ADDITIONAL JUSTIFICATION.

Fourteen channels have been adopted by the Commission for low power usage.

New systems must use 11K25 emission and show class of station used (FB/FB2/FX0/FX1/MO/FBT).

They are: 453/458 .0375, .0625, .0875, .1125, .1375, .8875, .9125, .9375, .9625, .9875 MHz and 460/465 .4875, .5125, .5375, .5625 MHz;

***** All "pend app" pre-coordinations will expire 90 days after appearing in the LOG *****

ALL ELEVATIONS SHOWN ARE IN METERS.

Use of lower case indicates an informal action. Contact appropriate advisor immediately if such action would impact your system.

Blue - Carried over from prior month. Black - Added up to meeting notice publication date. Violet - Added after publication date.

Please note that P. Thomson will be away from his office July 24 through August 21. Please contact Art McDole for any issues you may have.