

Sequence of Events Third Phase Revision 9 of MPEG 2 SD/HD to MPEG 4 SD/HD starting April 2019

SUBJECT TO CHANGE:: Below is the Step by Step process to convert and move the remaining signals to MPEG 4. Unless specified otherwise every dual feed that occurs converts the service to MPEG 4 HD. Also all services/transponders will become 8PSK if they aren't already.

- 1a) Drop SD services that are duplicated in HD from F1R T9::CKY, City TV Edmonton, CBXT, CFRN, CKCK, CICT, CFCN, Super Ecran 2, PBS Spokane and CBC CBRT. **(April 1)**
Light Switch CKUA audio to 8PSK modulation **(April 2)**. Dual feed and Convert to MPEG 4 HD:: Weather Network, AMI French, HNN, V Saguenay, NFL Network and launch Miracle Channel HD (CJIL) . Dual feed for **3** weeks. Also dual feed 10 radios from F1R T31 for **3** weeks. Audios will remain in AC3 format. **(April 2 to April 23)**
- 1b) Drop SD services that are duplicated in HD from F1R T31::CBC Winnipeg, CTV Atlantic, CBC Halifax, CJON, CTV Montreal, Global Halifax and Global Montreal. **(April 22)**
- 1c) Dual feed and convert (MPEG 4 SD) SPM1 to F1R T32. Dual feed for **3** weeks. **(April 2 to April 23)**
- 2) Dual feed for **3** weeks all F2 T27 services (TMN Encore 1W HD, TMN 1W HD, HBO Canada 2 HD, TMN 2W HD, TMN 1E HD, HBO Canada 1 HD, National Geo. HD and Love Nature HD to F1R T31. **(April 23 to May 14)**
- 3a) Drop SD services that are duplicated in HD from F1R T21::TVO, Global Thunderbay, CBC Montreal, City TV Calgary, CBC Toronto, CTV Toronto and CKPR Thunderbay **(May 13)**. Build F1R T21 as an MPEG 4 SD system. Dual feed and convert (MPEG 4 SD) most services from F2 T32 to F1R T21, this includes:: ATN SD, Makeful SD, Odyssey SD, RAI SD, AUX SD, Fairchild SD, EWTN SD, Moi&Cie SD and Yoopa SD. Dual feed from F2 T17 to F1R T21:: Aapka SD, Sony TV SD, OHL Hockey SD and Northern Legislature. **These services are already MPEG 4 SD**. Dual feed from G1 X3 to F1R T21:: Rural Channel SD and B4U Movies SD. **These services are already MPEG 4 SD**. Dual feed and convert (MPEG 4 SD) from F2 T16 to F1R T21:: BCLC SD and BTV2 SD. Dual feed and convert (MPEG 4 SD) BC Leg. from F1R T12 to F1R T21. Dual feed and convert (MPEG 4 SD) Info 299 from F1R T2 to F1R T21. Dual feed and convert (MPEG 4 SD) Shaw Direct Billboard channel from F1R T7 to F1R T21. All dual feeds in this step will last **3** weeks **(May 14 to June 4)**.. Drop CJIL SD from F1R T12 on June 4th

- 3b) Drop SD services that are duplicated in HD from F1R T20:: TMN 1W, TMN 2W, TMN 3W, HBO Canada 2, TMN Encore 1W, TMN Encore 2W, Teletoon East and Family East **(May 13)**. Also drop RDI SD, Omni 1, CHEX, CTV2 London, CTV2 Toronto, CTV2 Ottawa, CBC Ottawa and Prise 2 from F1R T25 **(May 13)**. Dual feed and Convert to MPEG 4 HD:: Gusto, Cooking Channel, Sundance, CMT, DIY, Crime and Investigation and Documentary and Cosmopolitan to F1R T20. All dual feeds in this step will last 3 weeks. **(May 14 to June 4)**
- 3c) Drop SD services that are duplicated in HD from F1R T16:: YTV West, Comedy West, W West, City TV Sask and Family Jr. **(May 13)**. Anyone taking the West SD feeds on F1R T16 will need to transition to the Eastern HD feeds on G1. The Western feeds will no longer be available off satellite.
- 4a) Drop SD services that are duplicated in HD from F1R T27:: TMN 1E, HBO Canada 1, TMN 2E, TMN 3E, TMN Encore 1E and 2E and Cine-Pop. **(June 3)**.
- 4b) Drop remaining SD services that are duplicated in HD from F1R T19:: Showcase East, Slice and History West, Sportsnet 360, History East, HGTV and FOOD. **(June 3)**.
- 4c) Dual feed and convert to F1R T19 (MPEG 4 HD) the following services::BBC Canada, Viceland, Book TV, Daystar, Dejavier, ESPN Classic, Game TV, Vintage TV. Dual feeds will last 3 weeks. **(June 4 to June 25)**.
- Light Switch 8 radios to 8PSK modulation on F1R T16. Dual feed and convert to F1R T16 (MPEG 4 HD) the following services:: Independent Film, MTV2, ONE, Vision, Yes TV, Wild TV, Teletoon French and Spike. Dual feeds will last 3 weeks. **(June 4 to June 25)**
- 4d) Dual feed all MPEG 4 HD services from F2 T22 to F1R T25:: Services affected are TSN 1 HD – TSN 5 HD, Discovery Velocity HD and RDS 2 HD. Dual feeds in this step will last 3 weeks. **(June 4 to June 25)**
- 5a) Drop SD services that are duplicated in HD from F1R T2:: CHCH, W East, CKND, Movie Time, and National Geographic Wild. **(June 24)**
- Dual feed and convert to F1R T2 (MPEG 4 HD) the following services:: Playboy, Exxtasy, Red Hot, Penthouse, Playmen, Out TV, TALC 1 and TALC 3. Light Switch 2 radios to 8PSK **(June 25)**. Dual feeds will last 3 weeks **(June 25 to July 16)**. Radios will stay in AC3 format.
- 5b) Drop SD services that are duplicated in HD, Eastern American 4+1 SDs as well as drop the Spokane SDs from F1R T15 **(June 24)**. With the exception of PBS

Spokane HD the other Spokane signals will not be available in either SD or HD from satellite after June 24.

Dual feed for 3 weeks all F2 T15 services (ABC East HD, CBS East HD, NBC East HD, FOX East HD, PBS East HD, City TV Toronto HD, Global Toronto HD and CTV Toronto HD) to F1R T15. **(June 25 to July 16)** NOTE:: When we drop the Spokane SDs they will not be coming back.

- 5c) Drop SD services that are duplicated in HD, Seattle 4+1 SDs as well as drop CFJC, CBC Prince George and CBC West from F1R T14 **(June 24)**.
- 5d) Build F1R T27 as an MPEG 4 HD system. Dual feed the following services converting them to MPEG 4 HD:: CFTK, CJDC, Salt and Light, Global Saint John, Global Okanagan, CBC Charlottetown, CTV Saskatoon, CTV Kitchener, SRC Trois Riviere and La Chaine Disney for 3 weeks. **(June 25 to July 16)**
- 5e) Dual feed to F1R T9 and Convert to MPEG 4 HD:: CBC Toronto HD. Dual feed for 3 weeks. **(June 25 to July 16)**
- 6a) Light switch 8 radios on F1R T14 to 8PSK modulation **(July 16)**. Dual feed for 3 weeks all F2 T8 services (ABC West HD, CBS West HD, NBC West HD, FOX West HD, PBS West HD, City TV Vancouver HD and Global Vancouver HD) to F1R T14. **(July 16 to August 6)**
- 6b) Drop SD services that are duplicated in HD from F1R T12:: Knowledge Network, Global Vancouver, City TV Vancouver, CHEK and CTV BC. **(July 15)**
Dual feed and convert to MPEG 4 HD on F1R T12 the following services:: Disney Junior, TSC, CPAC, OLN, Treehouse, Discovery Science, Cottage Life and DTOUR. Dual feed 4 Radio, no format change just a modulation change to 8PSK. Dual feeds will last 3 weeks. **(July 16 to August 6)**
- 7 Drop SD services that are duplicated in HD from F1R T3:: City TV Toronto, Cartoon Network, VRAK TV, Sportsnet East, Ontario, West and Pacific **(August 5)**. Dual feed and convert to MPEG 4 HD on F1R T3 the following services:: Leafs TV, Telelatino, AHC, FOX News, Bloomberg, BNN, MSNBC and Makeful. All dual feeds will last 3 weeks. **(August 6 to August 27)**
- 8a) Drop SD services that are duplicated in HD from F1R T5:: YTV East and CBC News Network **(August 26)**. Dual feed and convert to MPEG 4 HD on F1R T5 the following services:: OWN, Nickelodeon, Animal Planet, Tech TV, Travel and FYI. Also dual feed all 42 Stingray audios from F1R T4 and F1R T7 to F1R T5. The Stingray audios will remain in AC3 format but along with the video services migrate to the 8PSK modulation scheme. Dual feeds will last 3 weeks. **(August 27 to Sept.17)**

- 8b) Drop SD services that are duplicated in HD from F1R T11:: Disney West and NBA Raptors **(August 26)**. Disney West customers will need to take Disney East HD on G1. The Western feed will no longer be available off satellite. Dual feed and convert to MPEG 4 HD on F1R T11 the following services:: Game Show Network, BET, BBC World, WSBK, WPIX, KTLA, Peach Tree and WFN. Dual feeds will last 3 weeks. **(August 27 to Sept.17)**
- 8c) Drop remaining SD service that is duplicated in HD from F1R T22:: **H2** . Dual feed and convert the following services to MPEG 4 HD::: Meteo Media, UNIS East, RIS, Yoopa, Moi & Cie, Canal Savoir, Avis de Recherche and SPM 1. Dual feeds will last 2 weeks. **(Sept.17 to Sept.30)**
- 8d) Drop all SD services from **F2 T14**:: LCN, Musi Max, Musique Plus, Telequebec, Meteo Media, SRC Moncton, V Montreal, V Sherbrooke, TVA Sherbrooke and TVA Riviere-du-Loup **(September 30)**. Drop all SD services from **F2 T16**:: Super Channels 1 – 4, APTN, NFL Network, TVA Sports, BTV + services and Super Ecran 1 **(September 30)**. Drop all SD services from **F2 T26**:: Historia, Series +, Canal Z, Canal D, RDS, Canal Vie, Canal Evasion and Avis de Recherche **(September 30)**. Drop all SD services from **F2 T28**:: SRC Montreal, TVA Quebec, V Quebec, TVA Hull, TVA Chicoutimi, TVA Rimouski, Canal Savoir, RDS 2 and TVA Carleton **(September 30)**. Drop all SD services from **F2 T29**:: TVA Montreal, ARTV, TVA West, Addik TV, Casa, TV5 East, V Gatineau, Unis East and RIS **(September 30)**. Drop remaining SD services on **F2 T32** that are duplicated in HD:: SRC Winnipeg, SRC Edmonton, SRC Vancouver, SRC Ottawa and CBC Regina. **(September 30)**. Drop SD MPEG 4 services Duplicated in HD from **F2 T17**:: TFO, SRC Regina, Global Regina, City TV Montreal, City TV Winnipeg and TVA Abitibi (Rouyn-Noranda). **(September 30)**.
- 9 Dual feed and convert to MPEG 4 HD on F1R T28 the following services:: , , PPV 10, PPV 11, PPV 1, AMI TV, Investigation Discovery and CNBC. 10 radios will be dual fed to F1R T28. No change to their audio format, just a modulation change. Dual feeds will last 2 weeks. **(Oct.1 to Oct.15)**
- 10 Drop SD services that are duplicated in HD from F1R T29:: Sportsnet World and Sportsnet One **(Oct.14)**. Dual feed and convert to MPEG 4 HD on F1R T29 the following services:: AUX, EWTN, Stingray Juicebox, Stingray Loud, Stingray Vibe, Stingray Retro and Fashion. Dual feeds will last 2 weeks. **(Oct.15 to Oct.29)**
- 11 Drop remaining SD services Duplicated in HD from F1R T4:: WGN and TCM. **(Oct. 29th, 2019)**
Drop remaining SD services Duplicated in HD from F1R T6:: Global Toronto and AMC. **(Oct. 29th, 2019)**

Drop remaining SD services Duplicated in HD from F1R T7:: ABC Spark. **(Oct. 29th, 2019)**

Drop remaining SD services Duplicated in HD from F1R T8:: CNN, GOLF, A&E and TLC **(Oct. 29th, 2019)**

Drop remaining SD services Duplicated in HD from F1R T30:: Global Edmonton, Teletoon West, Family West, CKSA (CBC), CITL (CTV), Big Ten, Super Ecran 3 and Super Ecran 4. Customers who take Teletoon West and Family West will have to take their respective East HDs on G1. The Western feeds will no longer be available off satellite. **(Oct. 29th, 2019)**

- 12 Dual feed and convert to MPEG 4 HD on F1R T4 the following services:: CBC CBRT, PBS Spokane, CTV2 Atlantic, CTV Sudbury, CKWS Kingston, CBC Yellowknife, Omni 2, CTV 2 Victoria and Omni 1. Dual feed for 2 weeks. **(Oct.29th to Nov.12th)**
- 13 Dual feed and convert to MPEG 4 HD on F1R T6 the following services:: CTV Ottawa, PBS Buffalo, Global Saskatoon, CHEX, CTV 2 London, CTV 2 Toronto, CHEX TV-2, CBC Fredericton and CBC Windsor. Dual feed for 2 weeks. **(Nov.12th to Nov.26th)**
- 14a) Dual feed and convert to MPEG 4 HD on F1R T7 the following services:: Shaw Lethbridge, CTV Windsor, CTV Lethbridge, CTV Sault Ste. Marie, CTV Timmins, CTV Yorkton, CTV Prince Albert, CTV Sydney, CTV Moncton. Dual feed for 2 weeks. **(Nov.26th to Dec.10th)**
- 14b) Dual feed and convert to MPEG 4 HD on F1R T26 the following services:: TVA Chicoutimi, V Sherbrooke, TVA Sherbrooke, TVA Quebec, V Quebec, TVA Rimouski, TVA West, SRC Rimouski, V Trois Riviere, RFI Radio, and 11 French Radio (Radios remain in AC3). Dual feed for 2 weeks. **(Nov.26th to Dec.10th)**

NOTE:: Many services in Steps 13, 14a and 14b are already MPEG 4 on G1. In these steps they move to F1R and become MPEG 4 HD.

- 15 Convert remaining MPEG 4 SD services on Anik G1 X3 and X4 to MPEG 4 HD. **(Jan.21st 2020)**