Section 6: Technical data

This data has been made available to purchasers of *A History of Regional Commercial Television in Australia* (Palgrave Macmillan 2022) as well as a service to other researchers with an interest in regional commercial television history. Please contact Michael Thurlow at michael@channel35.au if you have any questions, queries, or comments.

Contents

Appendix 6.1. Frequency allocations, 1961-77
Appendix 6.2. Regional relays, 1965-85
Appendix 6.3. Translator stations, 1966-88
Appendix 6.4. Multi-channel launch dates, 2007-18
Appendix 6.5. Analogue switchover, 2010-13

Data sources

The data in this section was derived from the following sources unless otherwise indicated:

- ABCB annual reports, 1961-76
- ABCB licence grant inquiry reports, 1960-76
- ABT annual reports, 1976-1992
- ABA annual reports, 1992-2003
- ACMA annual reports, 2003-2019

Appendix 6.1. Frequency allocations, 1961-77

The following table lists analogue frequencies allocated to regional commercial television stations, 1961-77.

Station	Frequency
Stage 3 stations	
CTC Canberra	Channel 7
NBN Newcastle	Channel 3
WIN Illawarra	Channel 4
RTN Richmond-Tweed	Channel 8
CBN Central Tablelands	Channel 8
BTV Ballarat	Channel 6
BCV Bendigo	Channel 8
GLV Latrobe Valley ¹	Channel 10
GMV Goulburn Valley	Channel 8
DDQ Darling Downs ²	Channel 10
RTQ Rockhampton	Channel 7
TNQ Townsville	Channel 10
TNT North-Eastern Tasmania	Channel 9
Stage 4 stations	
NEN Upper Namoi	Channel 9
RVN South Western Slopes	Channel 2
NRN Grafton-Kempsey ³	Channel 11
AMV Upper Namoi	Channel 4
WBQ Wide Bay ⁴	Channel 8
ECN Manning River	Channel 8
MTN Murrumbidgee Irrigation	Channel 9
BKN Broken Hill	Channel 7
STV Mildura	Channel 8
FNQ Cairns	Channel 10
MVQ Mackay	Channel 6
SES South East SA	Channel 8
BTW Bunbury	Channel 3
GSW Southern Agricultural	Channel 9
Stage 6 stations	
GTS Spencer Gulf North	Channel 4
VEW Kalgoorlie	Channel 8
ITQ Mount Isa	Channel 8
NTD Darwin	Channel 8
RTS Loxton/Renmark	Channel 5A
GTW Geraldton	Channel 11

Appendix 6.2. Regional relays, 1965-85

The following table lists full and partial regional relays, 1965-85.

Station	Relay
CWN	Full relay ex-CBN from 1 December 1965 ⁵
SDQ	Full relay ex-DDQ from 26 February 1966 ⁶
GSW	Full relay ex-BTW from 23 August 1968 ⁷
ECN	Full relay ex-NRN from 1 March 1969 ⁸
RTN	Full relay ex-NRN from 7 August 1971 ⁹
ECN	Full relay ex-NEN from 28 November 1971 ¹⁰ (replaced ex-NRN relay)
AMV	Substantial relay ex-RVN from 24 October 1972 ¹¹
MTN	Substantial relay ex-CBN from 1 October 1973 ¹²
GLV	Substantial relay ex-BCV from 8 November 1973 ¹³
FNQ	Substantial relay ex-TNQ from 25 July 1974 ¹⁴
BKN	Substantial relay ex-GTS from 26 November 1974 ¹⁵
STV	Substantial relay ex-BCV 12 July 1975 ¹⁶
SES	Substantial relay ex-BTV from mid-1980 ¹⁷
VEW	Full relay ex-BTW from 29 December 1985 ¹⁸

Note: Full relay = full program taken on relay from parent station with no local opt-outs. Substantial relay = majority of programs taken on relay from parent station with some local opt-outs.

Appendix 6.3. Translator stations, 1966-88

The following table lists translator stations in operation, 1966-88.

	1966	1971	1976	1981	1988
CTC	1	2	3	3	5
NBN	-	-	1	3	4
WIN	-	1	3	5	5
RTN	2	3	3	3	7
CBN	1	2	3	4	6
CWN	1	2	2	2	3
BTV	1	3	3	3	4
BCV	-	1	1	1	1
GLV	-	-	-	3	3
GMV	-	2	3	4	7
DDQ	-	1	1	-	1
SDQ	-	-	-	-	-
RTQ	-	1	3	3	8
TNQ	1	2	3	3	3
TNT	2	7	6	11	11
NEN	-	4	4	7	9
RVN	-	-	-	2	3
NRN	-	-	-	-	-
AMV ¹⁹	1	2	3	4	-
WBQ/SEQ	-	1	3	3	3
ECN	-	-	1	-	1
MTN	-	-	-	1	1
BKN	-	-	-	-	-
STV	-	-	-	-	-
FNQ	-	-	-	9	11
MVQ	-	-	4	4	9
SES	-	-	-	-	3
BTW	-	-	-	5	6
GSW	-	-	1	1	1
GTS	-	2	2	2	3
VEW ²⁰	-	-	1	2	7
ITQ ²¹	-	-	1	1	-
NTD	-	-	-	-	-
RTS	-	-	-	-	-
GTW	-	-	-	-	3
WAW	-	-	-	-	37
IMP	-	-	-	-	8
QQQ	-	-	-	-	14
Total	10	37	55	91	193

Appendix 6.4. Multi-channel launch dates, 2007-18

The following table list multi-channel launch dates, 2007-18.

Markets	Launch date
Prime/GWN	
Prime HD	15 October 2007
7TWO (Prime only)	23 December 2009 ²²
7mate (Prime/GWN)	25 September 2010 ²³
4ME	25 September 2011 ²⁴
7TWO (GWN)	Early 2012
iShop TV	1 May 2013 ²⁵
Racing.com (Prime/GWN)	28 July 2015 ²⁶
7flix (Prime only)	3 September 2017 ²⁷
WIN (Primary)	
WIN HD	17 March 2008 ²⁸
Go! ²⁹	9 August 2009 ³⁰
Gem	26 September 2010 ³¹
WIN Gold ³²	1 May 2012 ³³
Gold 2	13 July 2013 ³⁴
WIN HD relaunch (QLD, SNSW, Vic)	1 March 2016
9Life (QLD, SNSW, Vic)	1 March 2016 ³⁵
9Life (Griffith, Tasmania, SA)	2 March 2016
WIN HD relaunch (Griffith, Tasmania, SA)	2 March 2016
WIN HD relaunch (Regional WA)	10 March 2016 ³⁶
9Life (Regional WA)	10 March 2016 ³⁷
Note:	10 March 2010
	1 July 2016 and commenced carrying
Note: WIN switched its primary affiliation from Nine to Ten from 1	<u>'</u>
Note: WIN switched its primary affiliation from Nine to Ten from 2 Ten sub-channels in place of those from Nine on that day. Sky News on WIN WIN (Griffith/South Australia)	2 September 2018 ³⁸
Note: WIN switched its primary affiliation from Nine to Ten from 1 Ten sub-channels in place of those from Nine on that day. Sky News on WIN WIN (Griffith/South Australia) 7TWO, 7mate, 9Gem, 9Go!, ONE, Eleven (Griffith)	2 September 2018 ³⁸ January-June 2012 ³⁹
Note: WIN switched its primary affiliation from Nine to Ten from 1 Ten sub-channels in place of those from Nine on that day. Sky News on WIN WIN (Griffith/South Australia) 7TWO, 7mate, 9Gem, 9Go!, ONE, Eleven (Griffith) 7TWO, ONE, Eleven (South Australia)	2 September 2018 ³⁸
Note: WIN switched its primary affiliation from Nine to Ten from 2 Ten sub-channels in place of those from Nine on that day. Sky News on WIN WIN (Griffith/South Australia) 7TWO, 7mate, 9Gem, 9Go!, ONE, Eleven (Griffith) 7TWO, ONE, Eleven (South Australia) Southern Cross (Ten affiliated stations)	2 September 2018 ³⁸ January-June 2012 ³⁹ From 10 November 2011 ⁴⁰
Note: WIN switched its primary affiliation from Nine to Ten from 1 Ten sub-channels in place of those from Nine on that day. Sky News on WIN WIN (Griffith/South Australia) 7TWO, 7mate, 9Gem, 9Go!, ONE, Eleven (Griffith) 7TWO, ONE, Eleven (South Australia) Southern Cross (Ten affiliated stations) ONE ⁴¹ (QLD, SNSW, Vic)	2 September 2018 ³⁸ January-June 2012 ³⁹
Note: WIN switched its primary affiliation from Nine to Ten from 2 Ten sub-channels in place of those from Nine on that day. Sky News on WIN WIN (Griffith/South Australia) 7TWO, 7mate, 9Gem, 9Go!, ONE, Eleven (Griffith) 7TWO, ONE, Eleven (South Australia) Southern Cross (Ten affiliated stations)	2 September 2018 ³⁸ January-June 2012 ³⁹ From 10 November 2011 ⁴⁰
Note: WIN switched its primary affiliation from Nine to Ten from 1 Ten sub-channels in place of those from Nine on that day. Sky News on WIN WIN (Griffith/South Australia) 7TWO, 7mate, 9Gem, 9Go!, ONE, Eleven (Griffith) 7TWO, ONE, Eleven (South Australia) Southern Cross (Ten affiliated stations) ONE ⁴¹ (QLD, SNSW, Vic)	2 September 2018 ³⁸ January-June 2012 ³⁹ From 10 November 2011 ⁴⁰ 2 July 2009 ⁴² 11 January 2011 From December 2012
Note: WIN switched its primary affiliation from Nine to Ten from 2 Ten sub-channels in place of those from Nine on that day. Sky News on WIN WIN (Griffith/South Australia) 7TWO, 7mate, 9Gem, 9Go!, ONE, Eleven (Griffith) 7TWO, ONE, Eleven (South Australia) Southern Cross (Ten affiliated stations) ONE ⁴¹ (QLD, SNSW, Vic) Eleven ⁴³	2 September 2018 ³⁸ January-June 2012 ³⁹ From 10 November 2011 ⁴⁰ 2 July 2009 ⁴² 11 January 2011 From December 2012 21 May 2013 ⁴⁴
Note: WIN switched its primary affiliation from Nine to Ten from 27 Ten sub-channels in place of those from Nine on that day. Sky News on WIN WIN (Griffith/South Australia) 7TWO, 7mate, 9Gem, 9Go!, ONE, Eleven (Griffith) 7TWO, ONE, Eleven (South Australia) Southern Cross (Ten affiliated stations) ONE ⁴¹ (QLD, SNSW, Vic) Eleven ⁴³ TVSN	2 September 2018 ³⁸ January-June 2012 ³⁹ From 10 November 2011 ⁴⁰ 2 July 2009 ⁴² 11 January 2011 From December 2012 21 May 2013 ⁴⁴ 17 September 2013 ⁴⁵
Note: WIN switched its primary affiliation from Nine to Ten from 1 Ten sub-channels in place of those from Nine on that day. Sky News on WIN WIN (Griffith/South Australia) 7TWO, 7mate, 9Gem, 9Go!, ONE, Eleven (Griffith) 7TWO, ONE, Eleven (South Australia) Southern Cross (Ten affiliated stations) ONE ⁴¹ (QLD, SNSW, Vic) Eleven ⁴³ TVSN Aspire TV	2 September 2018 ³⁸ January-June 2012 ³⁹ From 10 November 2011 ⁴⁰ 2 July 2009 ⁴² 11 January 2011 From December 2012 21 May 2013 ⁴⁴
Note: WIN switched its primary affiliation from Nine to Ten from 2 Ten sub-channels in place of those from Nine on that day. Sky News on WIN WIN (Griffith/South Australia) 7TWO, 7mate, 9Gem, 9Go!, ONE, Eleven (Griffith) 7TWO, ONE, Eleven (South Australia) Southern Cross (Ten affiliated stations) ONE ⁴¹ (QLD, SNSW, Vic) Eleven ⁴³ TVSN Aspire TV Spree TV	2 September 2018 ³⁸ January-June 2012 ³⁹ From 10 November 2011 ⁴⁰ 2 July 2009 ⁴² 11 January 2011 From December 2012 21 May 2013 ⁴⁴ 17 September 2013 ⁴⁵
Note: WIN switched its primary affiliation from Nine to Ten from 2 Ten sub-channels in place of those from Nine on that day. Sky News on WIN WIN (Griffith/South Australia) 7TWO, 7mate, 9Gem, 9Go!, ONE, Eleven (Griffith) 7TWO, ONE, Eleven (South Australia) Southern Cross (Ten affiliated stations) ONE ⁴¹ (QLD, SNSW, Vic) Eleven ⁴³ TVSN Aspire TV Spree TV SBN Note: Southern Cross switched its primary affiliation from Ten to 1	2 September 2018 ³⁸ January-June 2012 ³⁹ From 10 November 2011 ⁴⁰ 2 July 2009 ⁴² 11 January 2011 From December 2012 21 May 2013 ⁴⁴ 17 September 2013 ⁴⁵ 17 July 2017 ⁴⁶ Nine on 1 July 2016 and commenced
Note: WIN switched its primary affiliation from Nine to Ten from 2 Ten sub-channels in place of those from Nine on that day. Sky News on WIN WIN (Griffith/South Australia) 7TWO, 7mate, 9Gem, 9Go!, ONE, Eleven (Griffith) 7TWO, ONE, Eleven (South Australia) Southern Cross (Ten affiliated stations) ONE ⁴¹ (QLD, SNSW, Vic) Eleven ⁴³ TVSN Aspire TV Spree TV SBN Note: Southern Cross switched its primary affiliation from Ten to It carrying Nine sub-channels in place of those from Ten on the	2 September 2018 ³⁸ January-June 2012 ³⁹ From 10 November 2011 ⁴⁰ 2 July 2009 ⁴² 11 January 2011 From December 2012 21 May 2013 ⁴⁴ 17 September 2013 ⁴⁵ 17 July 2017 ⁴⁶ Nine on 1 July 2016 and commenced at day.
Note: WIN switched its primary affiliation from Nine to Ten from 2 Ten sub-channels in place of those from Nine on that day. Sky News on WIN WIN (Griffith/South Australia) 7TWO, 7mate, 9Gem, 9Go!, ONE, Eleven (Griffith) 7TWO, ONE, Eleven (South Australia) Southern Cross (Ten affiliated stations) ONE ⁴¹ (QLD, SNSW, Vic) Eleven ⁴³ TVSN Aspire TV Spree TV SBN Note: Southern Cross switched its primary affiliation from Ten to Its carrying Nine sub-channels in place of those from Ten on the Your Money	2 September 2018 ³⁸ January-June 2012 ³⁹ From 10 November 2011 ⁴⁰ 2 July 2009 ⁴² 11 January 2011 From December 2012 21 May 2013 ⁴⁴ 17 September 2013 ⁴⁵ 17 July 2017 ⁴⁶ Nine on 1 July 2016 and commenced
Note: WIN switched its primary affiliation from Nine to Ten from 2 Ten sub-channels in place of those from Nine on that day. Sky News on WIN WIN (Griffith/South Australia) 7TWO, 7mate, 9Gem, 9Go!, ONE, Eleven (Griffith) 7TWO, ONE, Eleven (South Australia) Southern Cross (Ten affiliated stations) ONE ⁴¹ (QLD, SNSW, Vic) Eleven ⁴³ TVSN Aspire TV Spree TV SBN Note: Southern Cross switched its primary affiliation from Ten to I carrying Nine sub-channels in place of those from Ten on the Your Money Southern Cross (Seven-affiliated stations)	2 September 2018 ³⁸ January-June 2012 ³⁹ From 10 November 2011 ⁴⁰ 2 July 2009 ⁴² 11 January 2011 From December 2012 21 May 2013 ⁴⁴ 17 September 2013 ⁴⁵ 17 July 2017 ⁴⁶ Nine on 1 July 2016 and commenced at day. 1 October 2018 ⁴⁷
Note: WIN switched its primary affiliation from Nine to Ten from 2 Ten sub-channels in place of those from Nine on that day. Sky News on WIN WIN (Griffith/South Australia) 7TWO, 7mate, 9Gem, 9Go!, ONE, Eleven (Griffith) 7TWO, ONE, Eleven (South Australia) Southern Cross (Ten affiliated stations) ONE ⁴¹ (QLD, SNSW, Vic) Eleven ⁴³ TVSN Aspire TV Spree TV SBN Note: Southern Cross switched its primary affiliation from Ten to 1 Carrying Nine sub-channels in place of those from Ten on the Your Money Southern Cross (Seven-affiliated stations) 7TWO (Tasmania, Darwin)	2 September 2018 ³⁸ January-June 2012 ³⁹ From 10 November 2011 ⁴⁰ 2 July 2009 ⁴² 11 January 2011 From December 2012 21 May 2013 ⁴⁴ 17 September 2013 ⁴⁵ 17 July 2017 ⁴⁶ Nine on 1 July 2016 and commenced at day. 1 October 2018 ⁴⁷ 1 December 2009 ⁴⁸
Note: WIN switched its primary affiliation from Nine to Ten from 2 Ten sub-channels in place of those from Nine on that day. Sky News on WIN WIN (Griffith/South Australia) 7TWO, 7mate, 9Gem, 9Go!, ONE, Eleven (Griffith) 7TWO, ONE, Eleven (South Australia) Southern Cross (Ten affiliated stations) ONE ⁴¹ (QLD, SNSW, Vic) Eleven ⁴³ TVSN Aspire TV Spree TV SBN Note: Southern Cross switched its primary affiliation from Ten to 1 carrying Nine sub-channels in place of those from Ten on the Your Money Southern Cross (Seven-affiliated stations) 7TWO (Tasmania, Darwin) 7mate (Tasmania)	2 September 2018 ³⁸ January-June 2012 ³⁹ From 10 November 2011 ⁴⁰ 2 July 2009 ⁴² 11 January 2011 From December 2012 21 May 2013 ⁴⁴ 17 September 2013 ⁴⁵ 17 July 2017 ⁴⁶ Nine on 1 July 2016 and commenced at day. 1 October 2018 ⁴⁷ 1 December 2009 ⁴⁸ 24 October 2010 ⁴⁹
Note: WIN switched its primary affiliation from Nine to Ten from 2 Ten sub-channels in place of those from Nine on that day. Sky News on WIN WIN (Griffith/South Australia) 7TWO, 7mate, 9Gem, 9Go!, ONE, Eleven (Griffith) 7TWO, ONE, Eleven (South Australia) Southern Cross (Ten affiliated stations) ONE ⁴¹ (QLD, SNSW, Vic) Eleven ⁴³ TVSN Aspire TV Spree TV SBN Note: Southern Cross switched its primary affiliation from Ten to 1 Carrying Nine sub-channels in place of those from Ten on the Your Money Southern Cross (Seven-affiliated stations) 7TWO (Tasmania, Darwin)	2 September 2018 ³⁸ January-June 2012 ³⁹ From 10 November 2011 ⁴⁰ 2 July 2009 ⁴² 11 January 2011 From December 2012 21 May 2013 ⁴⁴ 17 September 2013 ⁴⁵ 17 July 2017 ⁴⁶ Nine on 1 July 2016 and commenced at day. 1 October 2018 ⁴⁷ 1 December 2009 ⁴⁸

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Markets	Launch date			
Racing.com	29 August 2015 ⁵¹			
Seven (Regional Queensland)				
7TWO	1 November 2009 ⁵²			
7mate	25 September 2010 ⁵³			
7flix	28 February 2016 ⁵⁴			
Racing.com	June 2015 ⁵⁵			
7food network	1 December 2018 ⁵⁶			
Nine (Northern NSW and Darwin)				
9HD ⁵⁷ (Darwin)	17 March 2008			
9HD (Northern NSW)	17 March 2008			
Go! (Northern NSW)	9 August 2009			
Go! (Darwin)	18 October 2010 ⁵⁸			
Gem ⁵⁹ (Northern NSW)	26 September 2010			
Gem (Darwin)	18 October 2010 ⁶⁰			
9HD relaunch (Darwin)	26 November 2015 ⁶¹			
9HD relaunch (Northern NSW)	1 March 2016 ⁶²			
9Life (Northern NSW)	1 March 2016 ⁶³			
9Life (Darwin)	2017			
Your Money	1 October 2018			
Imparja				
Go! (North/Central/East)	December 2010			
Go! (Eastern SA)	11 November 2011			
Gem	26 September 2010			
Other				
ONE (Tasmanian Digital Television)	30 July 2009 ⁶⁴			
ONE (Mildura Digital Television)	1 December 2009 ⁶⁵			

Appendix 6.5. Analogue switchover, 2010-13

The following table lists analogue switch-over dates for Australian television markets. 66

Market	Switch-over date
Mildura	30 June 2010
Regional South Australia and Broken Hill	15 December 2010
Regional Victoria	5 May 2011
Regional Queensland	6 December 2011
Southern NSW and ACT	6 June 2012
Northern NSW	27 November 2012
Adelaide	2 April 2013
Tasmania	9 April 2013
Perth	16 April 2013
Brisbane	28 May 2013
Regional and Remote WA	25 June 2013
Darwin	30 July 2013
Sydney	3 December 2013
Melbourne	10 December 2013
Remote Central and Eastern Australia	10 December 2013

Notes

https://tvtonight.com.au/2009/12/7two-to-launch-on-prime.html, accessed online 5 April 2019.

¹ GLV frequency changed from Channel 10 to Channel 8 on 20 January 1980 to reduce interference to/from Melbourne stations and enable ATV0 Melbourne to transmit on Channel 10.

² DDQ frequency changed from Channel 10 to Channel 8 on 10 September 1988 to enable TVQ0 Brisbane to transmit on Channel 10.

³ ABCB, *Annual Report*, 1966, p. 47. NRN frequency changed from Channel 11 to Channel 10 on 19 January 1966 to avoid interference from the national station in the adjoining Richmond-Tweed service area.

⁴ WBQ call-sign changed to SEQ by mid-1976 to reflect the station's coverage of south-east Queensland beyond the Wide Bay area. See: WBL (WBQ), *Annual Report*, 1975; WBL (SEQ), *Annual Report*, 1975.

⁵ CWN operated as full and permanent relay from CBN from inception.

⁶ SDQ operated as full and permanent relay from DDQ from inception.

⁷ GSW operated as full and permanent relay from BTW from inception.

⁸ NAA/Vic: B2152, ECN/4 PART 2: ABCB, ECN LRR, 1970 (21421339).

⁹ NAA/Vic: B2152, RTN/4 PART 2: ABCB, RTN LRR, 1972 (21421381).

¹⁰ ABT, NEN/ECN LRR, No. 592/87, 1987. This replaced the previous third-party relay from NRN which had commenced on 1 March 1969.

¹¹ "Relay system set up by RVN-AMV," AMW, 9 November 1972, p. 42.

¹² MTL (MTN), Annual Report, 1973.

¹³ NAA/NSW: B2152, BCV/4 PART 2: ABCB, BCV LRR, 1974 (13781500).

¹⁴ NAA/Vic: B2305, TL/1/17 PART 1: ABCB, FNQ LRR, 1975 (21432194).

¹⁵ ABT, GTS LRR No. 444/86, 1986.

¹⁶ NAA/Vic: B2305, TL/1/19 PART 2: ABT, STV LRR, 1977 (21432195). The BCV-STV link was established using Telecom facilities but was replaced by a microwave link facility in September/October 1976. See NAA Sydney: B2152, BCV/4 PART 2: BCV LRR, 1977 (13781500).

¹⁷ SEL (SES), *Annual Report*, 1981; ABT, BTV LRR, No. 67/81 R(RT), 1981. The latter states the relay agreement was dated 22 April 1980 however it is not known when the relay commenced.

¹⁸ ABT, VEW LRR No. 602/87, 1987.

¹⁹ SMHA translator closed in June 1966. Khancoban translator closed in November 1975.

²⁰ VEW York and VEW Tammin closed c.1987.

²¹ ITQ Gunpowder closed 31 July 1984. ITQ Mary Kathleen closed mid-1985. ITQ Cloncurry closed c.1987.

²² David Knox, "7TWO to launch on Prime," TV Tonight, 22 December 2009,

²³ David Knox, "7mate on Prime," TV Tonight, 25 August 2010, https://tvtonight.com.au/2010/08/7mate-on-prime.html, accessed online 7 October 2019.

²⁴ Paul McIntyre "Prime unveils brand-funded datacast channel," AdNews, 28 September 2011, http://www.adnews.com.au/adnews/prime-unveils-brand-funded-datacast-channel, accessed online 6 April 2019. 4ME was launched as a joint venture between Prime/Brand New Media. The channel closed on 30 April 2016 in regional areas after Brand New Media was placed in administration.

²⁵ Prime Media Group, *Annual Report*, 2013, p. 6.

²⁶ "Racing channel expands into regions," Racing.com, 28 July 2015, https://www.racing.com/news/2015-07-28/racing-channel-expands-into-regions, accessed online 6 April 2015. Prime provided an interim service from 28 July until 29 August 2015.

²⁷ David Knox, "Prime to launch 7flix in September," TV Tonight, 4 August 2017,

https://tvtonight.com.au/2017/08/prime-to-launch-7flix-in-september.html, accessed online 6 April 2019.

²⁸ WIN HD ceased transmission on 26 September 2010 with the launch of Gem.

²⁹ Go! was rebranded as 9Go! from 26 November 2015.

³⁰ David Knox, "9HD makes way for GO!," TV Tonight, 3 August 2009 https://tvtonight.com.au/2009/08/9hd-makes-way-for-go.html, accessed online 10 April 2019. WIN ceased carrying 9Go! from 30 June 2016.

³¹ WIN ceased carrying 9Gem from 30 June 2016.

³² WIN Gold was rebranded as Gold from 5 May 2012.

³³ David Knox, "WIN Gold launches on Channel 84," TV Tonight, 1 May 2012,

https://tvtonight.com.au/2012/05/win-gold-launches-on-channel-84.html, accessed online 6 April 2019.

³⁴ David Knox, "WIN launches GOLD2," TV Tonight, 13 July 2013, https://tvtonight.com.au/2013/07/win-launches-gold2.html, accessed online 6 April 2019. Gold 2 was launched as a five-hour time shift of Gold. Gold

- 2 was replaced by the Nine Network's Extra on 19 July 2016.
- ³⁵ WIN ceased carrying 9Life from 30 June 2016.
- ³⁶ David Knox, "WIN HD and 9Life now in regional WA," TV Tonight, 10 March 2016, https://tvtonight.com.au/2016/03/win-hd-and-9life-now-in-regional-wa.html, accessed online 6 April 2019.
- ³⁷ David Knox, "WIN HD and 9Life now in regional WA."
- ³⁸ Max Mason, "Australian News Channel and WIN partner to bring Sky News to free-to-air for the first time," *AFR*, 28 May 2018, https://www.afr.com/business/media-and-marketing/tv/australian-news-channel-and-win-partner-to-bring-sky-news-to-freetoair-for-first-time-20180525-h10k0d, accessed online 6 April 2019.
- ³⁹ Digital Switchover Taskforce, "New digital multichannel TV services for Griffith and the Murrumbidgee Irrigation Area," (press release), January 2012, http://www.wintv.com.au/uploads/files/Fact sheet WIN multichannels Griffith MIA, January 2012.pdf, accessed online 27 December 2019.
- ⁴⁰ David Knox, "More digital channels for regional South Australia," TV Tonight, 2 November 2011, https://tvtonight.com.au/2011/11/more-digital-channels-for-regional-south-australia.html, accessed online 27 December 2019.
- ⁴¹ ONE was rebranded as 10 Boss from 31 October 2018, then 10 Bold from 10 December 2018 due to a trademark conflict with Fairfax Media.
- ⁴² David Knox, "Southern Cross adds ONE HD from July 2," TV Tonight, 16 June 2009, https://tvtonight.com.au/2009/06/southern-cross-adds-one-hd-from-july-2.html, accessed online 6 April 2019. ⁴³ Eleven was rebranded as 10 Peach from 31 October 2018.
- ⁴⁴ Southern Cross ceased broadcasting Aspire TV in Tasmania and Darwin on 29 August 2015 to accommodate Racing.com; in Spencer Gulf (SGS) and Broken Hill (SCN) on 1 July 2016; and in Northern NSW (NRN) on 31 August 2017 following its acquisition by WIN.
- ⁴⁵ David Knox, "TEN tipped to launch new datacasting channel," TV Tonight, 10 September 2013, https://tvtonight.com.au/2013/09/ten-tipped-to-launch-new-datacasting-channel.html, accessed online 6 April 2019.
- ⁴⁶ David Knox, "Religious channel coming to Southern Cross network," TV Tonight, 15 July 2017, https://tvtonight.com.au/2017/07/religious-channel-coming-to-southern-cross-network.html, accessed online 7 October 2019.
- ⁴⁷ Holly Byrnes, "Australia's new TV show and channel yourMoney being launched to help viewers," News.com.au, 23 September 2018, https://www.news.com.au/entertainment/tv/australias-new-tv-show-and-channel-yourmoney-being-launched-to-help-viewers/news-story/228d314672b4b9d43e78f31be3118607, accessed online 6 April 2019.
- ⁴⁸ David Knox, "7TWO for Tassie/Darwin, ONE for Mildura," TV Tonight, 1 December 2009, https://tvtonight.com.au/2009/12/7two-for-tassie-darwin-one-for-mildura.html, accessed online 5 April 2019. ⁴⁹ "Date set for 7mate's Tassie TV debut," *Mercury* (Hobart), 18 September 2010, p. 3.
- ⁵⁰ Nick Calacouras, "New TV channels a free choice," *Northern Territory News*, 24 September 2010, p. 5.
- ⁵¹ Tom Biddington, "Southern Cross TV picks up Racing.com," 28 August 2015, Racing.com, https://www.racing.com/news/2015-08-28/southern-cross-tv-picks-up-racingcom, accessed online 6 April 2019. Available in SA and Broken Hill on Ch 68 and Darwin on Ch 78.
- ⁵² David Knox, "7TWO to launch on November 1st," TV Tonight, 23 October 2009, https://tvtonight.com.au/2009/10/7two-to-launch-november-1st.html, accessed online 5 April 2019. ⁵³ David Knox, "7mate on Prime."
- ⁵⁴ David Knox, "7flix is on the air," TV Tonight, 28 February 2016, https://tvtonight.com.au/2016/02/7flix-is-on-the-air.html, accessed online 10 April 2019.
- ⁵⁵ "Racing channel expands into regions," Racing.com, 28 July 2015, https://www.racing.com/news/2015-07-28/racing-channel-expands-into-regions, accessed online 6 April 2015. Prime provided an interim service from 28 July until 29 August 2015. Interim service.
- ⁵⁶ James Manning, "Seven launching Australia's latest TV food channel," *Mediaweek*, 26 October 2018, https://mediaweek.com.au/seven-launching-7food/, accessed online 6 April 2019. 7food network was available in selected regional markets only. The service ceased operation in December 2019 due to poor ratings.
- ⁵⁷ 9HD reverted to a HD simulcast from 3 August 2009 for Go! then ceased transmission on 26 September 2010.
- ⁵⁸ Nick Calacouras, "New TV channels a free choice."
- ⁵⁹ Gem was rebranded as 9Gem from 26 November 2015.
- 60 Nick Calacouras, "New TV channels a free choice."

⁶¹ Claire Reilly, "Nine Network to live stream all channels and revamp HD," CNET, 28 October 2015, https://www.cnet.com/news/nine-network-to-live-stream-all-channels-and-revamp-hd/, accessed online 6 April 2019.

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⁶³ NBN, "New Digital Television Services coming to NBN."

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⁶⁵ David Knox, "7TWO for Tassie/Darwin, ONE for Mildura."

⁶⁶ DOC, Annual Report, 2014, p. 41.