

3-Dimensional Television Broadcasting Report

Background

The 3-DTV revolution has become the centre of the broadcasting industry's attention in the past few years. Manufacturers have been working on developing television sets that are 3-D compatible and TV stations around the world launched 3-DTV services through subscription channels in other countries.

In Australia there was a need to trial the new technology therefore SBS in conjunction with Nine Network, NBN Television and WIN Network undertook a terrestrial 3DTV scientific trial in 5 metropolitan cities and some regional areas.

Trial Details

The trial was conducted by SBS and Nine Network from 19th May 2010 to 19th July 2010. The two networks collaborated in sharing the license and the existing infrastructure to get the service to air.

The 3D signal was available terrestrially in (Sydney, Brisbane, Melbourne, Adelaide, Perth, Newcastle and Wollongong) using Logical Channel Number 40. In addition to the 3D material being available to viewers terrestrially, the signal was also available on Optus C1 satellite and the World Cup and NRL games were screened in cinemas across the country.

The World Cup 3D games were also available on Foxtel (cable and satellite) platforms on channel 200 during the live matches only. Viewers with Foxtel High Definition IQ2 receivers and 3DTVs were able to watch the games in 3D.

There was different material presented throughout the trial to give viewers the opportunity to evaluate the performance of 3DTV. SBS transmitted 15 live World Cup 2010 games and Channel 9 broadcast 3 live NRL matches in 3D. At other times, replays of the games were played in loops interspersed with demonstration and promotional material by Harvey Norman who sponsored the trial.

The broadcasters transmitted the 3D in a side by side format encoding being in MPEG-4 High Definition. Viewers with MPEG-4 decoders could view two side by side pictures on a 2DTV sets as only 3DTV compatible TV screens could display it in 3D format.

The broadcasters worked together to share the spectrum using the same infrastructure. SBS obtained the licenses for broadcasting in Sydney, Adelaide and Perth while Nine Network obtained the license for Brisbane, Melbourne and Newcastle. Nine Network provided the presentation and the playout facility and enabled SBS to utilise it. The signal was distributed to the transmitter sites either via the Digital Video Network (DVN) or the Optus C1 satellite.

Trial Objectives

The main aim of this trial was to:

- Examine and assess the 3-DTV technology throughout the broadcasting chain starting from encoding, multiplexing, distribution and transmission in the Australian environment.
- Educate the consumer electronics industry about 3-DTV technology and its future in Australia.
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The trial was successful in meeting the objectives and providing the Australian viewer with the latest available technology in broadcasting.

Parameters

The 3DTV terrestrial test transmission used the following parameters

DVB-T MPEG4

FEC: 3/4

Guard Interval: 1/8

Modulation Mode: 16QAM, 8K

The signal was available in the following cities:

City	Broadcast site	UHF Channel Number	Frequency	Transmitter Power
Sydney	Gore Hill	35	578.5 MHz	3.5 kW
Perth	Bickley	35	578.5 MHz	6 kW
Adelaide	Mt Lofty	29	536.625 MHz	6 kW
Brisbane	Mt Coot-Tha	50	683.5 MHz	1 kW
Melbourne	Mt Dandenong	35	578.5 MHz	4 kW
Newcastle	Cooks Hill Charlestown	35	578.375 MHz	15 W 10 W
Wollongong	Knights Hill	50	683.5 MHz	200 W

The signal was also available on Optus C1 satellite using the following parameters:

Satellite: Optus C1 T9 at 156.0°E

Downlink Frequency: 12647 MHz

Polarisation: Vertical

Carrier Symbol Rate: 10.5 MS/s

Carrier FEC: 3/4

Carrier Data Rate: 14.514706 Mbps

Findings

The trial was successful and drew the media's attention to the future of 3D television in Australia.

Some viewers with MPEG-2 decoders (Set-top boxes and integrated TV sets) had difficulties rescanning their receivers during the trial. A few specific brands and models failed to automatically scan when reaching the trial frequency possibly not recognising MPEG-4 transmission.

Performance of the Television Reception Complaints

The coverage of the 3DTV trial was equivalent to the existing coverage of the SBS service except in Brisbane. The Brisbane transmitter was operating on a lower power than the existing service and some viewers in Brisbane did not have the appropriate antenna that covers channel 50. As a result, some Brisbane viewers were disappointed at not being able to receive the 3D transmission.

SBS received around 40 enquiries related to the 3DTV trial. The majority of the enquires were related to whether viewers in certain areas could receive the 3DTV trial and how the signal could be received.

Consumer Information

The broadcasters made public announcements on the 3D trial through a series of press releases. The trial information was also available on the SBS's transmission and worldgame websites. Refer to Appendix A for more information.

Appendix A

Sony 3D FAQ

11 June 2010



Why are SBS doing 3D?

3D is the latest broadcasting technology and with the support of commercial partners Sony and Harvey Norman and technical partners Broadcast Australia and Optus, SBS can be the first to bring the largest sporting event in the world in 3D to Australians.

What channel will the 3D broadcast be on?

Channel 40. To watch 3D, viewers must have a High Definition Television set with 3D capabilities. To most viewers without a 3D TV the signal will appear as a black screen.

What programs will be available in 3D during the trial?

There will be 15 live World Cup games and 3 State of Origin games available for the duration of the trial. Click [here](#) to view our 3D broadcast schedule. In between the live games, replays of the games in addition to demonstration material will be provided.

Will this interfere with the standard definition and high definition broadcasts?

No. SBS will be broadcasting all of the matches during the World Cup live on SBS ONE, SBS TWO and SBS HD. SBS will also be streaming the matches online at www.sbs.com.au/theworldgame and broadcasting some matches on SBS Radio. It will also be available on Optus Mobile.

Why did you require some events to be temporarily removed from the anti-siphoning list?

All of the matches of the 2010 FIFA World Cup™ are listed on the Government's anti-siphoning list which requires them to be premiered on SBS's main channel SBS ONE before they appear on SBS's other channels. In the early rounds of the World Cup (in particular the group match stage) some of the matches were being played simultaneously, meaning only one match would be able to be broadcast live. The Minister for Broadband, Communications and the Digital Economy has given SBS

special permission to premiere some World Cup matches on SBS's second, digital only channel SBS TWO. This means that all matches from the 2010 FIFA World Cup™ will be shown live and free-to-air to Australian audiences.

Does this mean they won't be shown on free-to-air television in the future?

No. The events will be re-listed for the future. SBS already holds the exclusive and official rights for the 2014 FIFA World Cup to be held in Brazil.

SBS will broadcast 15 live World Cup 2010 games in 3 Dimensional Television, this is in addition to the 2 Dimensional which will be available to view on SBS ONE and SBS TWO.

The 3D test transmission commenced on 19th May 2010 and will continue until 19th July 2010 (temporary licences have been provided by ACMA). Prior to the World Cup (11th June 2010), viewers can watch 3D demonstration material and State of Origin replays.

Where can I receive the 3D signal?

The SBS 3D TV test transmission will be broadcast terrestrially in Adelaide, Brisbane, Melbourne, Sydney and Wollongong.

How can I watch the 3D Television?

In the cities mentioned above, terrestrial transmission is available with the exception of Newcastle. If you are currently receiving the SBS services from those sites, you should be able to receive the 3D signal.

Consumers in Brisbane area may experience some difficulties, as some of the receive antennas installed there may not satisfactorily receive channel 50.

Viewers outside these cities can receive only if they install a satellite dish pointing to Optus C1 with an MPEG-4 satellite receiver connected to their 3D television set. The Optus C1 satellite is in the same orbital slot as the Aurora, Austar and Foxtel satellite services. Your local satellite installer can provide you with more information on how to access the service.

Consumers with MPEG-4 HD capable, which includes "Freeview certified", receivers will have a display of "side by side" pictures in which both pictures are almost identical. This is how the 3D information is transmitted, one for the left eye and the other for the right eye. The picture can only be viewed in 3D format using a 3D TV set.

Can I use my TV set after the trial?

You can continue using your High Definition 3DTV set after the trial, as the sets are designed to work in both 2D and 3D mode.

FTA have initially only been granted a 2 month licence to broadcast in 3D and it will be necessary to lobby the government to make more spectrum available beyond that 2 month period. More spectrum will be made available when we move to Digital.

Who do I contact if I have problems?

If the 3D test transmission causes interference to other radio communications or you

have problems with your digital television tuning or reception, please contact SBS on 1800 500 727.

Where can I get more information on 3D Television?

You can visit the following websites:

Sony 3D World
Harvey Norman

How do I install my 3D TV?

Let Tech2home install your new TV, and you will have the best seat in the house before the finals! Tech2home makes life easy by installing your TV and guaranteeing the best possible picture and sound available. They will come to your home, set up your 3D TV, fix any reception issues, remove all that packaging and even give you some quick lessons if you need it, all in the comfort of your own home! Simply call 1300 83 24 24 or visit www.tech2home.com.au or go to your nearest Harvey Norman outlet for more information.

Why may I not be able to view the SBS 3D transmission?

The Brisbane 3D transmitter is running much lower power than the SBS Digital transmitter so coverage will be limited to people with clear line of sight to Mt Coot-tha. Viewers with antennas pointed to Mt Tamborine (Gold Coast) or Bald Knob (Sunshine Coast) are unlikely to receive the 3D. A more powerful transmitter may be available next week.

Sydney viewers with antennas pointed at Gore Hill or Artarmon who can view the SBS Digital service should be able to get the 3D service. Viewers with antennas pointed towards Kings Cross, North Head (Manly) or Bouddi translators are unlikely to be able to receive the 3D.

Melbourne viewers with antennas pointed towards Mt Dandenong who can view the SBS Digital service should be able to get the 3D service. Viewers with antennas pointed towards Como Building (South Yarra), Ferntree Gully, Upwey Selby, Rosebud or Arthurs Seat translators are unlikely to be able to receive the 3D.

Adelaide viewers with antennas pointed towards Mt Lofty who can view the SBS Digital service should be able to get the 3D service. Viewers with antennas pointed towards Grenfell Centre (Adelaide Foothills) or Makin (Elizabeth South) translators are unlikely to be able to receive the 3D.

Perth viewers with antennas pointed towards Bickley who can view the SBS Digital service should be able to get the 3D service. Viewers with antennas pointed towards Roleystone or Toodyay translators are unlikely to be able to receive the 3D.

Newcastle viewers with antennas pointed towards Centenary Lookout (Kotara) or Cooks Hill (Merewether) and who can view the SBS Digital service should be able to get the 3D service. Viewers with antenna pointed towards Mt Sugarloaf are less likely to be able to receive the 3D unless they are located close to Centenary Lookout or

Cooks Hill.

View coverage maps by geographic location.

Melbourne

Sydney

Perth

Adelaide

Newcastle (Cooks Hill)

Newcastle (Kotara)

Wollongong

Brisbane: The coverage map is unavailable



SBS will broadcast 15 live World Cup 2010 games in 3 Dimensional Television, this is in addition to the 2 Dimensional which will be available to viewers on SBS ONE and SBS TWO.

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WHERE CAN I RECEIVE THE 3D SIGNAL?

The SBS 3D TV test transmission will be broadcast terrestrially in the following cities:

City	Broadcast site	UHF Channel Number	Frequency
Sydney	Gore Hill	35	578.5 MHz
Perth	Bickley	35	578.5 MHz
Adelaide	Mt Lofty	29	536.625 MHz
Brisbane	Mt Coot-Tha	50	683.5 MHz
Melbourne	Mt Dandenong	35	578.5 MHz
Newcastle	Cooks Hill Charlestown	35	578.375 MHz
Wollongong	Knights Hill	50	683.5 MHz

The signal is also available on Optus C1 satellite with the following parameters:

Satellite: Optus C1 T9 at 156.0°E

Downlink Frequency: 12647 MHz
Polarisation: Vertical
Carrier Symbol Rate: 10.5 MS/s
Carrier FEC: 3/4
Carrier Data Rate: 14.514706 Mbps

HOW CAN I WATCH THE 3D TELEVISION?

To watch 3D, viewers must have a High Definition Television set with 3D capabilities.

In the cities mentioned above, terrestrial transmission is available with the exception of Newcastle. If you are currently receiving the SBS services from those sites, you should be able to receive the 3D signal.

Consumers in Brisbane area may experience some difficulties, as some of the receive antennas installed there may not satisfactorily receive channel 50.

You will need to tune your 3D Television set to receive the service. When tuned, it is available on Logical Channel Number 40 which is labelled "3D Trial". Please refer to your television User Guide for tuning instructions.

Viewers outside these cities will need to install a satellite dish pointing to Optus C1 with an MPEG-4 satellite receiver connected to their 3D television set. The Optus C1 satellite is in the same orbital slot as the Aurora, Austar and Foxtel satellite services. Your local satellite installer can provide you with more information on how to access the service.

Consumers with MPEG-4 HD capable, which includes "Freeview certified", receivers will have a display of "side by side" pictures in which both pictures are almost identical. This is how the 3D information is transmitted, one for the left eye and the other for the right eye.

The picture can only be viewed in 3D format using 3D TV set.

CAN I USE MY TV SET AFTER THE TRIAL?

You continue using your High Definition 3DTV set after the trial, as the sets are designed to work in both 2D and 3D mode.

WHO DO I CONTACT IF I HAVE PROBLEMS?

If the 3D test transmission causes interference to other radio communications or you have problems with your digital television tuning or reception, please contact SBS on 1800 500 727.

WHERE CAN I GET MORE INFORMATION ON 3D TELEVISION?

You can visit the following websites:

http://en.wikipedia.org/wiki/3D_television

WHAT PROGRAMS WILL BE AVAILABLE in 3D DURING THE TRIAL?

It is anticipated that there will be 15 live World Cup games and 3 State of Origin games available for the duration of the trial. In between the live games, replays of the games in addition to demonstration material will be provided.

Appendix B

SBS / NINE 3D TRIAL TELEVISION BROADCAST SCHEDULE

Date	Match	Teams	Venue	South Africa Time	Start Time(AEST)	End Time(AEST)	Comments
Fri 11 June	1	RSA vs MEX	JSC	16:00 11-Jun	23:45 11-Jun	02:00 12-Jun	SBS
Sat 12 June	1	NSW vs QLD	Sydney		2:00	4:00	CH 9
Sat 12 June	1	RSA vs MEX	JSC	NA	4:00	6:00	SBS
Sat 12 June	1	NSW vs QLD	Sydney		6:00	8:00	CH 9
Sat 12 June	1	RSA vs MEX	JSC	NA	23:00	1:00	SBS
Sun 13-Jun	3	ARG vs NGA	JEP	16:00 12-Jun	23:45 12-Jun	02:00 13-Jun	
Sun 13 June	1	NSW vs QLD	Sydney		1:00	3:00	CH 9
Sun 13 June	1	RSA vs MEX	JSC	NA	3:00	5:00	SBS
Sun 13 June	1	NSW vs QLD	Sydney		5:00	7:00	CH 9
Sun 13 June	1	RSA vs MEX	JSC	NA	7:00	9:00	SBS
Sun 13 June	1	NSW vs QLD	Sydney		23:00	1:00	CH 9
Mon 14 Jun	1	RSA vs MEX	JSC	NA	1:00	3:00	SBS
Mon 14-Jun	7	GER vs AUS	DBN	20:30 13-Jun	04:15 14-Jun	06:30 14-Jun	SBS
Mon 14 June	1	NSW vs QLD	Sydney		6:30	8:30	CH 9
Mon 14 June	9	NED vs DEN	JSC	13:30 14-Jun	21:15 14-Jun	23:30 14-Jun	SBS
Mon 14 June	7	GER vs AUS	DBN	NA	23:30	1:30	SBS
Tue 15 June	1	NSW vs QLD	Sydney		1:30	3:30	CH 9
Tue 15 June	1	RSA vs MEX	JSC	NA	3:30	5:30	SBS
Tue 15 June	1	NSW vs QLD	Sydney		5:30	7:30	CH 9
Tue 15 June	7	GER vs AUS	DBN	NA	7:30	9:30	SBS
Tue 15 June	1	NSW vs QLD	Sydney		23:00	1:00	CH 9
Wed 16 June	1	RSA vs MEX	JSC	NA	1:00	3:00	SBS
Tue 15 June	1	NSW vs QLD	Sydney		3:00	5:00	CH 9
Wed 16 June	14	BRA vs PRK	JEP	20:30 15-Jun	04:15 16-Jun	06:30 16-Jun	
Wed 16 June	7	GER vs AUS	DBN	NA	6:00	8:00	SBS
Wed 16 June	2	NSW vs QLD	Brisbane		20:00 16-Jun	22:00	CH 9

Date	Match	Teams	Venue	South Africa Time	Start Time(AEST)	End Time(AEST)	Comments
Wed 16 June	9	NED v DEN	JSC	NA	23:00	1:00	SBS
Thu 17 June	2	NSW vs QLD	Brisbane		1:00	3:00	CH 9
Thu 17 June	7	GER vs AUS	DBN	NA	3:00	5:00	SBS
Thu 17 June	2	NSW vs QLD	Brisbane		5:00	7:00	CH 9
Thu 17 June	7	GER vs AUS	DBN	NA	7:00	9:00	SBS
Thu 17 June	20	ARG vs KOR	JSC	13:30 17-Jun	21:15 17-Jun	23:30 17-Jun	SBS
Thu 17 June	2	NSW vs QLD	Brisbane		23:30	1:30	CH 9
Thu 17 June	16	ESP vs SUI	DBN	16:00 16-Jun	23:45 16-Jun	02:00 17-Jun	
Fri 18 June	9	NED v DEN	JSC	NA	1:30	3:30	SBS
Fri 18 June	2	NSW vs QLD	Brisbane		3:30	5:30	CH 9
Fri 18 June	20	ARG v KOR	JSC	NA	5:30	7:30	SBS
Fri 18 June	2	NSW vs QLD	Brisbane		7:30	9:30	CH 9
Fri 18 June	9	NED v DEN	JSC	NA	23:00	1:00	SBS
Sat 19 June	2	NSW vs QLD	Brisbane		1:00	3:00	CH 9
Sat 19 June	20	ARG v KOR	JSC	NA	3:00	5:00	SBS
Sat 19 June	2	NSW vs QLD	Brisbane		5:00	7:00	CH 9
Sat 19 June	7	GER vs AUS	DBN	NA	7:00	9:00	SBS
Sat 19 June	25	NED vs JPN	DBN	13:30 19-Jun	21:15 19-Jun	23:30 19-Jun	SBS
Sat 19 June	2	NSW vs QLD	Brisbane		23:30	1:30	CH 9
Sat 19 June	22	SVN vs USA	JEP	16:00 18-Jun	23:45 18-Jun	02:00 19-Jun	
Sun 20 June	1	RSA vs MEX	JSC	NA	1:30	3:30	SBS
Sun 20 June	2	NSW vs QLD	Brisbane		3:30	5:30	CH 9
Sun 20 June	7	GER vs AUS	DBN	NA	5:30	7:30	SBS
Sun 20 June	2	NSW vs QLD	Brisbane		7:30	9:30	CH 9
Sun 20 June	9	NED v JPN	DBN	NA	23:00	1:00	SBS
Mon 21 June	2	NSW vs QLD	Brisbane		1:00	3:00	CH 9
Mon 21 June	1	RSA vs MEX	JSC	NA	3:00	5:00	SBS
Mon 21 June	29	BRA vs CIV	JSC	20:30 20-Jun	04:15 21-Jun	06:30 21-Jun	
Mon 21 June	2	NSW vs QLD	Brisbane		5:00	7:00	CH 9
Mon 21 June	7	GER vs AUS	DBN	NA	7:00	9:00	SBS
Mon 21 June	2	NSW vs QLD	Brisbane		23:00	1:00	CH 9
Tue 22 June	9	NED v JPN	DBN	NA	1:00	3:00	SBS
Tue 22 June	2	NSW vs QLD	Brisbane		3:00	5:00	CH 9
Tue 22 June	32	ESP vs HON	JEP	20:30 21-Jun	04:15 22-Jun	06:30 22-Jun	
Tue 22 June	9	NED v DEN	JSC	NA	5:00	7:00	SBS
Tue 22 June	2	NSW vs QLD	Brisbane		7:00	9:00	CH 9
Tue 22 June	7	GER vs AUS	DBN	NA	23:00	1:00	SBS
Wed 23 June	2	NSW vs QLD	Brisbane		1:00	3:00	CH 9

Date	Match	Teams	Venue	South Africa Time	Start Time(AEST)	End Time(AEST)	Comments
Wed 23 June	20	ARG v KOR	JSC	NA	3:00	5:00	SBS
Wed 23 June	35	NGA vs KOR	DBN	20:30 22-Jun	04:15 23-Jun	06:30 23-Jun	
Wed 23 June	2	NSW vs QLD	Brisbane		5:00	7:00	CH 9
Wed 23 June	9	NED v DEN	JSC	NA	7:00	9:00	SBS
Wed 23 June	2	NSW vs QLD	Brisbane		23:00	1:00	CH 9
Thu 24 June	1	RSA vs MEX	JSC	NA	1:00	3:00	SBS
Thu 24 June	39	GHA vs GER	JSC	20:30 23-Jun	04:15 24-Jun	06:30 24-Jun	SBS
Thu 24 June	7	GER vs AUS	DBN	NA	6:30	8:30	SBS
Thu 24 June	2	NSW vs QLD	Brisbane		23:00	1:00	CH 9
Thu 24 June	41	SVK vs ITA	JEP	16:00 24-Jun	23:45 24-Jun	02:00 25-Jun	
Fri 25 June	9	NED v JPN	DBN	NA	1:00	3:00	SBS
Fri 25 June	2	NSW vs QLD	Brisbane		3:00	5:00	CH 9
Fri 25 June	39	GHA vs GER	JSC	NA	5:00	7:00	SBS
Fri 25 June	2	NSW vs QLD	Brisbane		7:00	9:00	CH 9
Fri 25 June	45	POR vs BRA	DBN	16:00 25-Jun	23:45 25-Jun	02:00 26-Jun	SBS
Sat 26 June	2	NSW vs QLD	Brisbane		2:00	4:00	CH 9
Sat 26 June	7	GER vs AUS	DBN	NA	4:00	6:00	SBS
Sat 26 June	2	NSW vs QLD	Brisbane		6:00	8:00	CH 9
Sat 26 June	20	ARG v KOR	JSC	NA	23:00	1:00	SBS
Sun 27 June	2	NSW vs QLD	Brisbane		1:00	3:00	CH 9
Sun 27 June	45	POR vs BRA	DBN	NA	3:00	5:00	SBS
Sun 27 June	2	NSW vs QLD	Brisbane		5:00	7:00	CH 9
Sun 27 June	39	GHA vs GER	JSC	NA	7:00	9:00	SBS
Sun 27 June	2	NSW vs QLD	Brisbane		23:00	1:00	CH 9
Sun 27 June	39	GHA vs GER	JSC	NA	1:00	3:00	SBS
Mon 28 June	52	1B vs 2A (2)	JSC	20:30 27-Jun	04:15 28-Jun	07:15 28-Jun	SBS
Mon 28 June	2	NSW vs QLD	Brisbane		7:15	9:15	CH 9
Mon 28 June	53	1E vs 2F (5)	DBN	16:00 28-Jun	23:45 28-Jun	02:45 29-Jun	SBS
Tue 29 June	45	POR vs BRA	DBN	NA	2:45	4:45	SBS
Tue 29 June	54	1G vs 2H (7)	JEP	20:30 28-Jun	04:15 29-Jun	07:15 29-Jun	
Tue 29 June	2	NSW vs QLD	Brisbane		4:45	6:45	CH 9
Tue 29 June	53	1E vs 2F (5)	DBN	NA	6:45	8:45	SBS
Tue 29 June	2	NSW vs QLD	Brisbane		23:00	1:00	CH 9
Wed 30 June	9	NED v DEN	JSC	NA	1:00	3:00	SBS
Wed 30 June	2	NSW vs QLD	Brisbane		3:00	5:00	CH 9
Wed 30 June	39	GHA vs GER	JSC	NA	5:00	7:00	SBS
Wed 30 June	2	NSW vs QLD	Brisbane		7:00	9:00	CH 9

Date	Match	Teams	Venue	South Africa Time	Start Time(AEST)	End Time(AEST)	Comments
Wed 30 June	20	ARG v KOR	JSC	NA	23:00	1:00	SBS
Thu 01 July	2	NSW vs QLD	Brisbane		1:00	3:00	CH 9
Thu 01 July	25	NED v JPN	DBN	NA	3:00	5:00	SBS
Thu 01 July	2	NSW vs QLD	Brisbane		5:00	7:00	CH 9
Thu 01 July	20	ARG v KOR	DBN	NA	7:00	9:00	SBS
Thu 01 July	2	NSW vs QLD	Brisbane		23:00	1:00	CH 9
Fri 02 July	52	1B v 2A	JSC	NA	1:00	3:00	SBS
Fri 02 July	2	NSW vs QLD	Brisbane		3:00	5:00	CH 9
Fri 02 July	45	POR vs BRA	DBN	NA	5:00	7:00	SBS
Fri 02 July	2	NSW vs QLD	Brisbane		7:00	9:00	CH 9
Fri 02 July	53	1E vs 2F (5)	DBN	NA	23:00	1:00	SBS
Sat 03 July	2	NSW vs QLD	Brisbane		1:00	3:00	CH 9
Sat 03 July	58	Quarter Finals 1 vs 3 (A)	JSC	20:30 02-Jul	04:15 03-Jul	07:15 03-Jul	SBS
Sat 03 July	2	NSW vs QLD	Brisbane		7:15	9:15	CH 9
Sat 03 July	59	Quarter Finals 2 vs 4 (B)	CPT	16:00 03-Jul	23:45 03-Jul	02:45 04-Jul	SBS
Sun 04 July	2	NSW vs QLD	Brisbane		2:45	***4:15:00 AM	CH 9
Sun 4-Jul	60	Quarter Finals 6 vs 8 (D)	JEP	20:30 03-Jul	04:15 04-Jul	07:15 04-Jul	SBS
Sun 04 July	2	NSW vs QLD	Brisbane		7:15	9:15	CH 9
Sun 04 July	59	Quarter Finals 2 vs 4 (B)	CPT	NA	23:00	1:00	SBS
Mon 05 July	2	NSW vs QLD	Brisbane		1:00	3:00	CH 9
Mon 05 July	58	Quarter Finals 1 vs 3 (A)	DBN	NA	3:00	5:00	SBS
Mon 05 July	2	NSW vs QLD	Brisbane		5:00	7:00	CH 9
Mon 05 July	60	Quarter Finals 6 vs 8 (D)	JEP	NA	7:00	9:00	SBS
Mon 05 July	2	NSW vs QLD	Brisbane		23:00	1:00	CH 9
Tue 06 July	52	1B v 2A	JSC	NA	1:00	3:00	SBS
Tue 06 July	2	NSW vs QLD	Brisbane		3:00	5:00	CH 9
Tue 06 July	53	1E vs 2F (5)	DBN	NA	5:00	7:00	SBS
Tue 06 July	2	NSW vs QLD	Brisbane		7:00	9:00	CH 9
Tue 06 July	45	POR vs BRA	DBN	NA	23:00	1:00	SBS
Wed 07 July	2	NSW vs QLD	Brisbane		1:00	3:00	CH 9
Wed 07 July	61	Semi Finals A vs C (I)	CPT	20:30 06-Jul	04:15 07-Jul	07:15 07-Jul	SBS
Wed 07 July	60	Quarter Finals 6 vs 8 (D)	JEP	NA	7:15	9:15	SBS
Wed 07 July	3	NSW vs QLD	Sydney		20:00 07-Jul	22:00	
Wed 07 July	61	Semi Finals A vs C (I)	CPT	NA	23:00	1:00	SBS
Wed 07 July	3	NSW vs QLD	Sydney		1:00	3:00	
Thu 08 July	62	Semi Finals B vs D (II)	DBN	20:30 07-Jul	04:15 08-Jul	07:15 08-Jul	SBS
Thu 08 July	3	NSW vs QLD	Sydney		7:15	9:15	

Date	Match	Teams	Venue	South Africa Time	Start Time(AEST)	End Time(AEST)	Comments
Thu 08 July	62	Semi Finals B vs D (II)	DBN	NA	23:00	1:00	SBS
Fri 09 July	3	NSW vs QLD	Sydney		1:00	3:00	
Fri 09 July	60	Quarter Finals 6 vs 8 (D)	JEP	NA	3:00	5:00	SBS
Fri 09 July	3	NSW vs QLD	Sydney		5:00	7:00	
Fri 09 July	61	Semi Finals A vs C (I)	CPT	NA	7:00	9:00	SBS
Fri 09 July	3	NSW vs QLD	Sydney		23:00	1:00	
Sat 10 July	58	Quarter Finals 1 vs 3 (A)	JSC	NA	1:00	3:00	SBS
Sat 10 July	3	NSW vs QLD	Sydney		3:00	5:00	
Sat 10 July	62	Semi Finals B vs D (II)	DBN	NA	5:00	7:00	SBS
Sat 10 July	3	NSW vs QLD	Sydney		7:00	9:00	
Sat 10 July	45	POR vs BRA	DBN	NA	23:00	1:00	SBS
Sun 11 July	3	NSW vs QLD	Sydney		1:00	3:00	
Sun 11 July	58	Quarter Finals 1 vs 3 (A)	JSC	NA	3:00	5:00	SBS
Sun 11 July	63	3rd Place Match	PLZ	20:30 10-Jul	04:15 11-Jul	07:15 11-Jul	
Sun 11 July	3	NSW vs QLD	Sydney		5:00	7:00	
Sun 11 July	61	Semi Finals A vs C (I)	CPT	NA	7:00	9:00	SBS
Sun 11 July	3	NSW vs QLD	Sydney		23:00	1:00	
Mon 12 July	61	Semi Finals A vs C (I)	CPT	NA	1:00	3:00	SBS
Mon 12 July	64	Final W1 vs W2	JSC	20:30 11-Jul	04:15 12-Jul	07:30 12-Jul	SBS
Mon 12 July	61	Final W1 vs W2	JSC	NA	7:30	9:30	SBS