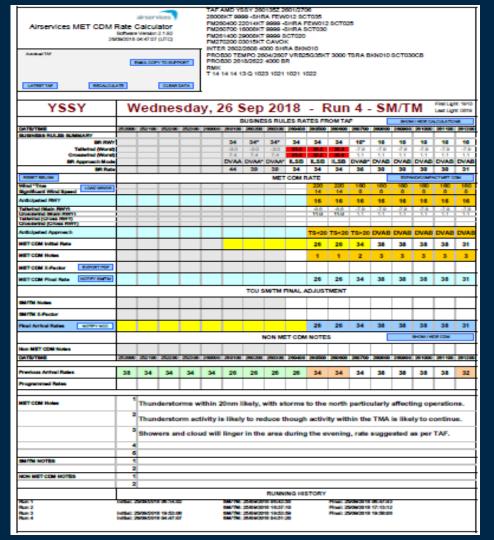




- New Products
- Embedded Met Experience
- Review of Aviation Weather Services



MetCDM



NCC Embedded Met

Airline Met Units

Aviation Met

ATC



YSSY	V	/ed	nes	sda	y, 2	26 5	Sep	20	18	- F	Run	4 -	· SI	/ //T	M	First Ligi Last Ligi	
								SHOW	W / HIDE CALCULATIONS								
DATE/TIME	252000	252100	252200	252300	260000	260100	260200	260300	260400	260500	260600	260700	260800	260900	261000	261100	261200
BUSINESS RULES SUMMARY																	
BR RWY						34	34*	34*	34	34	34	16*	16	16	16	16	16
Tailwind (Worst)						-3.0	-3.0	-3.0	35.0	35.0	35.0	-7.9	-7.9	-7.9	-7.9	-7.9	-7.9
Crosswind (Worst)						7.4	7.4	7.4	35.0	35.0	35.0	1.1	1.1	1.1	1.1	1.1	1.1
BR Approach Mode						DVAA	DVAA*	DVAA*	ILSB	ILSB	ILSB	DVAB*	DVAB	DVAB	DVAB	DVAB	DVAB
BR Rate						44	39	39	34	34	34	36	38	38	38	38	31
RESET BELOW	MET CDM RATE						EXPA	EXPAND/COMPACT MET CDM									
Wind °True LOAD WINDS										220	220	160	160	160	160	160	160
Significant Wind Speed										14	14	8	8	8	8	8	8
Anticipated RWY										16	16	16	16	16	16	16	16
Tailwind (Main RWY)										-8.6	-8.6	-7.9	-7.9	-7.9	-7.9	-7.9	-7.9
Crosswind (Main RWY) Tailwind (Cross RWY)										11.0	11.0	1.1	1.1	1.1	1.1	1.1	1.1
Crosswind (Cross RWY)																	
Anticipated Approach										TS<20	TS<20	TS>20	DVAB	DVAB	DVAB	DVAB	DVAB
MET CDM Initial Rate										26	26	34	38	38	38	38	31
MET CDM Notes										1	1	2	3	3	3	3	3
MET CDM X-Factor EXPORT PDF																	
MET CDM Final Rate NOTIFY SM/TM										26	26	34	38	38	38	38	31
		TOU OUT THE PURE OF THE PURE O															



	TCU SM/TM FINAL ADJUSTMENT																
SM/TM Notes																	
SM/TM X-Factor																	
Final Arrival Rates NOTIFY NCC										26	26	34	38	38	38	38	31
	NON MET CDM NOTES SHOW/HIDE CDM																
Non MET CDM Notes																	
DATE/TIME	252000	252100	252200	252300	260000	260100	260200	260300	260400	260500	260600	260700	260800	260900	261000	261100	261200
Previous Arrival Rates	38	34	34	34	34	26	26	26	26	34	34	34	38	38	38	38	32
Programmed Rates																	
MET CDM Notes	Thunderstorms within 20nm likely, with storms to the north particularly affecting operations. Thunderstorm activity is likely to reduce though activity within the TMA is likely to continue.																
	3	Showers and cloud will linger in the area during the evening, rate suggested as per TAF.															





3 October 2018

Ted Williams





Case for Change

Current operations

- Forecasters provide public and aviation weather
- Forecasting delivered from 11 discrete locations

Key issues:

- Service improvements are complex and costly
- Workload managed within locations
- Scope to strengthen and uplift aviation specialisation.



Future service demands

- Industry trends
 - Growth in air movements
 - Global operations and sourcing
- Future services
 - Digital and graphical met information, in cockpit
 - Air Traffic Flow Management,
 OneSky
 - Regional Hazardous Weather
 Advisory Centres (VAAC, TCAC)



Transformation Blueprint



Quality

Dedicated aviation specialists with a deep understanding of the industry

Responsive

Service improvements faster due to consolidation of people and ICT

Resilient

 Two aviation centres underpin continuity; structured training and smart technologies to strengthen and deepen local aviation knowledge

Flexible

 Operations that efficiently scale to tactical loads and accommodate service expansion, including new and expanded services



Technology Uplift

- Operating environment:
 - simpler, swifter, robust
- Improved Tools
 - Flexible workload
 - Intelligent alerts
 - Situational awareness
- Training / Learning
 - Knowledge-base
 - Immersive simulator





Waypoints

Service Review	2014-2015	Review of Service	Review Report
Business Case	2016-2017	Customer feedback	Business case
Programme Yr 1	2017-2018	Operating and business model development	Technology design and build
Programme Yr 2	2018-2019	Staff deployment; Systems commissioned	Northern Aviation Centre (Brisbane) operational
Programme Yr 3	2019-2020	Full technology uplift complete	Southern Aviation Centre (Melbourne) operational



More information:

Aviation Weather Services http://www.bom.gov.au/aviation/

Contact us on:

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