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**Briefing on:
NSW 1.11
Hydstra Enhancements**

March 2010



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Enhancement of hydrological data management in New South Wales



Original Bid

- Three components
 1. To provide a WDTF importer/exporter for HYDSTRA and a Web data scraper
 2. To work towards a national approach to Instrument management and to enhance the Hydstra Instrument database system
 3. To provide a generic tool to allow WDTF export from Excel spreadsheets and/or MS Access databases



Why 1.

1. WDTF imp/exporter for HYDSTRA

- To allow water agencies to access the data being supplied to BOM in WDTF from other agencies and to transfer data between agencies.
- Allow the creation of a “State” Archive
 - to enhance water management decision making process by adding to the knowledge and understanding of the natural processes in action in the State.



Why 2.

2. National Approach to Instrumentation Records
 - We required better asset management
 - We needed to store more related info
 - We believe
 - Instrument performance ~ Data quality
 - We would like access to calibration records when editing
 - We wanted to be consistent with other agencies



Why 3.

3. Excel based WDTF exporter

- As a lead agency we were seeing many requests from smaller organisations looking to acquire data management systems and or build WDTF exporters to be able to send data to the BOM



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Progress 1 – WDTF Imp/Exporter

- Considerable work has been done building on from previous projects
- Kisters continue to work on this



Progress 2 – Instrumentation - 1

- National workshop held 3rd and 4th March
- 31 attendees from all states, Bureau, major hydrometric consultants and Kisters

State	ACT	FED	NSW	NT	QLD	SA	TAS	VIC	WA	
Attendees	2	3	14	1	1	1	3	3	3	31
Agencies	2	1	5	1	1	1	2	3	2	18

- Chaired by Michael Whiting Secretary of AHA



Progress 2 – Instrumentation - 2

- Attendees talked on systems and issues
- From this 4 major issues were identified and examined in more detail
 1. Instrument Classification
 2. Asset Information
 3. Quality Information
 4. Reporting requirements
- Each group examined and made recommendations on these areas



Progress 2 – Instrumentation - 3

- Report with recommendations to be compiled from workshop along with copies of the presentations
- Project funding available to have enhancements made to Hydstra Instrument database based on Workshop recommendations



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Progress 3 - Excel WDTF

- Working prototype developed
- Initial system review undertaken and improvements suggested
- Other external review to be undertaken
- Work continues



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QUESTIONS?

