

Functions and sub-functions required for MAIS, using the proposed model

INFORMATION PRODUCT MANAGEMENT	
<i>Management</i>	<i>Integrative</i>
- MAIS Policy and strategy development	
- Planning	
- Supervision	
- Budgeting	
<i>Coordination</i>	<i>Integrative</i>
- Information source for all data acquisition efforts	
▪ internal efforts; coordinating DWAF data acquisition activities in all programmes and in all locations	
▪ external efforts; liaison with CMAs, central and Provincial government, influencing other data acquisition	
- Enforce specifications for data acquisition; "enforce" includes communication, support, training, and other facilitative actions with punitive measures forming a second tier of enforcement mechanisms	
- Enforce guidelines, procedures, standards and methods for data acquisition, data storage and management	
- Meet requirements of Access to Information Act	
- Training (for all areas)	
<i>Client Liaison</i>	<i>Integrative</i>
- Information dissemination to internal and external clients	
- Identification and negotiation with clients to define Information Products	
- Publications	
- User support (for all areas)	
<i>Information Generation</i>	
- Applications design	Specialised
▪ Modelling	
▪ Spatial analysis	
▪ Apply design principles and standards in software development	
- Measurement network design	Specialised
▪ Design	
▪ Update instrumentation	
▪ Communications systems	
- Generate integrated assessments	Integrative
▪ Conduct standardised assessments	
▪ Conduct special assessments	

DATA STORAGE AND MANAGEMENT	
<i>Systems management, enhancement and quality assurance</i>	<i>Integrative</i>
- Database administration	
- Software enhancement	
- Integration support	
<i>Systems development</i>	<i>Specialised</i>
- Project based{Need for development established by Policy & Strategy}	
<i>Information systems coordination</i>	<i>Integrative</i>
- Coordination with other systems	
▪ DWAF	
▪ CMAs	
▪ Other government departments	
- Liaison with users (primarily through established user groups)	

Functions and sub-functions required for MAIS, using the proposed model (Continued)

DATA ACQUISITION	
<i>Programme Implementation</i>	<i>Specialised</i>
- Establish new data acquisition programmes	
- Instrumentation installation	
- Construction	
- Institutional coordination	
<i>Technical Support</i>	<i>Specialised</i>
- Data processing, for example, converting water level to discharge	
- Chemical analysis	
- Skills identification / development	
- Data capture, data entry	
<i>Operations Management</i>	<i>Integrative</i>
- Sampling	
- Scheduling	
- Equipment maintenance	