

WORLD METEOROLOGICAL ORGANIZATION

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INTER-PROGRAMME TASK TEAM ON
FUTURE WMO INFORMATION SYSTEMS

ITEM: 5

JOHANNESBURG, SOUTH AFRICA
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Russian, English

**ABOUT THE CONCEPT OF DEVELOPMENT OF
THE FUTURE WMO INFORMATION SYSTEMS**

(Submitted by the A. Besprozvannykh)

Summary and the Purpose of the Document

The document contains the analysis of the document "Vision of the Future WMO Information Systems", submitted by the Interprogramme Task Team on the Future WMO Information Systems (August 2001), its lacks are marked and the proposed on the completion of the document are given.

ACTION PROPOSED

It is proposed to take into account the information submitted in the present document, and to use it at the completion of the concept of the Future WMO Information Systems

ABOUT
"Vision of the Future WMO Information Systems"

Analysis of the document "Vision of the Future WMO Information Systems"

1. The document «Vision of the Future WMO Information Systems» define these systems as facilities to collect and distribute hydrometeorological information and related information needed to meet the requirements of all WMO programs. The document does not currently provide a clear description of the integration of existing and developing information systems of WMO programs and the Future WMO Information Systems. Particularly it concerns WWW and its core parts: Global Telecommunication System (GTS), Global Data Processing System (GDPS), and Global Observation System (GOS).

It is necessary:

- to review context of document «Vision of the Future WMO Information Systems»;
- to define the aim of the Future WMO Information Systems;
- to define correlation of the Future WMO Information Systems with WWW and other information systems of WMO;
- to remove some technical details of the Future WMO Information Systems to specially developed document;
- to define stages of development and implementation of the Future WMO Information Systems, including pilot projects and technical-economical basis;
- to underline that WWW is basic part of the Future WMO Information Systems;
- to define that functions of GISC and DCPC are additional functions of correlated centres of WWW.

Proposals on modification of the document "Vision of the Future WMO Information Systems"

1. To insert in the text of the document " Vision of the Future WMO Information Systems " the preamble of the following content: "The basic purpose of the Future WMO Information Systems is organizational and technological development and improvement of collection and distribution systems for hydrometeorological information and related information needed to meet the requirements of all WMO programs "
2. To insert in the text of the document " Vision of the Future WMO Information Systems " the item: "The Future WMO Information Systems are based on existing components of the World Weather Watch: Global Telecommunication System, Global Data Processing System, and Global Observation System".
3. To replace item 1. "Routine collection of observed data" by "Routine collection of data"
4. To add in item 4 "The core FWIS communication network must be based on the MTN of the GTS"
5. To replace the text of item 9 (*9. GISCs would usually be located within or closely associated with a centre running a global data assimilation system or having some other global commitment. However, the proposed architecture does not dictate that this be a requirement.*) by text: "The GISC's functions are fulfilled by World Meteorological Centers of the WWW (WMC-GISC). The GISC's functions with the approval of WMO

can be taken by the WWW WMO Regional Specialized Meteorological Centers or by other centers (group of the centers) ”.

6. To replace the text of the first item of the paragraph 12 (12. Several dozen centers would serve as Data Collection or Product Centers (DCPC). Existing World Meteorological Centers and Regional/Specialized Meteorological Centers would function as DCPCs. However, many additional centers would also serve as DCPCs. This would include suppliers of special observations (e.g. ARGOS, ARINC), research projects, and centers producing products related to a specific discipline.) for the text of the following contents:
" It is supposed that several tens of Centers of Specialized Products (CSP) will operate, the functions of which will be fulfilled by the Regional Specialized Meteorological Centers of WWW WMO or by other centers which have taken on these obligations. In addition to that the CSP's functions can be fulfilled by centers which are not included in the structure of WWW WMO ".

Note: It is reasonable to consider the question of changing RSMC's names for the names of the regional Meteorological Centers (RMC) and Centers of Specialized Products (CSP).