# GISC Brazil report

This document summarizes the actions taken by the National Meteorological Institute (INMET) to deploy the GISC in Brazil. The decision to implement the GISC was taken by the PR of Brazil after the WIS Demonstration done in Geneva during the EC-LXII Session in June 2010. INMET decided to look at the market to find the possible offers and hired the same company that had provided the Message Switching System, resulting in a very well integrated operational environment.

## Remarks

* March 2010 – Visit of WMO expert under the WIS jump start offer
* June 2010 – EC LXII Demonstration.
* May 2011 – Congress XVI Demonstration
* June 2011 – IBL Software Installation and training.
* April 2013 – GISC Brasilia audit process.
* December 2013 – Planned GISC full operation.

## Status

The GISC solution was installed in Brasilia in June 2011 and since had undergone internal tests. The Audit took place in 2013. Now, GISC Brasilia is being in a pre-operation mode. All the technical resources are in place and the human resources been allocated.

After the Audit, some experiments involving other countries in Region III were started and the communications with the Brazilian Regional Offices are being migrated.

INMET has extended the software maintenance contract with the provider and is selecting a manager and staff for the GISC complementing the current work force. All the documentation is being revised to include the necessary tasks and responsibilities. A matrix model will be used as human resources (e. g. software developers) will be shared.

## Audit Recommendations

As opportunities for improvements, the Audit of GISC-Brasilia recommended INMET to:

1. To finalize the documentation
2. To define a plan to achieve independent operation;
3. To established service levels and performance indicators.

INMET is now addressing all these recommendations.

## Plans

INMET will work with the Regional Association and the WMO Secretariat to towards a WIS Regional Implementation Plan. Specific issues are listed bellow

National: Registration to INMET QMS

Formalization of GISC Procedures

To replace the communication with Brazilian Regional Offices in order to include non-GTS data and products.

Regional: To update the metadata concerning product and data related to Regional Association III.

Formalization of staff GISC matrix (internal task of INMET)

Global: Adhesion to RMDCN

To implement the WIS routines in order to comply with the global operations.

## Technical Issues

Functioning: The integration of the GISC software with the Message Switching System software and the extensive experience of INMET in the operation of RTH Brasilia are very positive points for GISC Brasilia.

The Planning Ministry is already dealing with the INMET proposal to hire specialists to replace temporary staffs. INMET, itself, is hiring a GISC Manager and some advanced operators to complement the current staff allocated to GISC activities.

## Next steps

1. Considering the decision taken between WMC Washington and RTH Brasilia to let their two GISCs to act as a back-up of each other, GISC-Brasilia and GISC-Washington have already started to work on synchronization aspects. The next thing to do is to work on a Memorandum of Understand to define the operational to be followed.
2. Synchronize the metadata
3. Develop national and regional DCPCs.

## References

* The GISC Brazil url is: <http://gisc.inmet.gov.br>

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