

# The HEPiX IPv6 Working Group – First Report

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## **2 Abstract**

Aims of the report. Document progress and show plans for 2012. Show current recommendations. Ask for management support.

Management means WLCG MB, GDB, HEPiX Board, Sites and Experiments.

Need resources for testbed, effort for testing, effort for producing documentation, effort and travel funds to attend meetings

## **3 Background**

Reasons for formation of working group.

IPv4 address exhaustion

Status in HEP – show HEPiX survey from Sep 2010

## **4 HEPiX IPv6 Working Group**

Mandate and membership. Wiki and meetings (indico).

## **5 Work Items**

### **5.1 Requirements**

### **5.2 Testbed**

### **5.3 Survey of middleware, applications and tools**

### **5.4 Security**

### **5.5 Dissemination, Wiki, Conferences**

## **6 Current Recommendations**

Dual stack outward facing services.

Aim for HEP IPv6 Days.

Not before 2013 LHC shutdown

## **7 Related IPv6 activities**

EGI, Middleware technology providers. US DOE

## **8 Future Plans**

Complete survey of applications

Evaluation of effort/resource required to make IPv6 compliant

Expand testbed.

More Grid services deployed.

Functionality and performance testing

## **9 Summary?**