

MACS WEEK - June 2010
IT Infrastructure Project

CORETH Franz-Michael
franz.coreth@ebgmedauston.at

WHO
WHY
WHAT
WHEN

WHO – IT Coordinator

- EBG MedAustron employee
- Based in Wiener Neustadt
- 50% for IT infrastructure architecture under WP Controls
- 50% for Medical Software Systems
- Coordination of all IT-related activities among
 - Accelerator Staff (CERN)
 - General planer and Subcontractors (Vienna)
 - Medical Staff (Wiener Neustadt)
 - Office/Administration Staff (Wiener Neustadt)

WHY

Collect requirements from all concerned parties to design and implement

one homogenous IT environment for
MedAustron facility

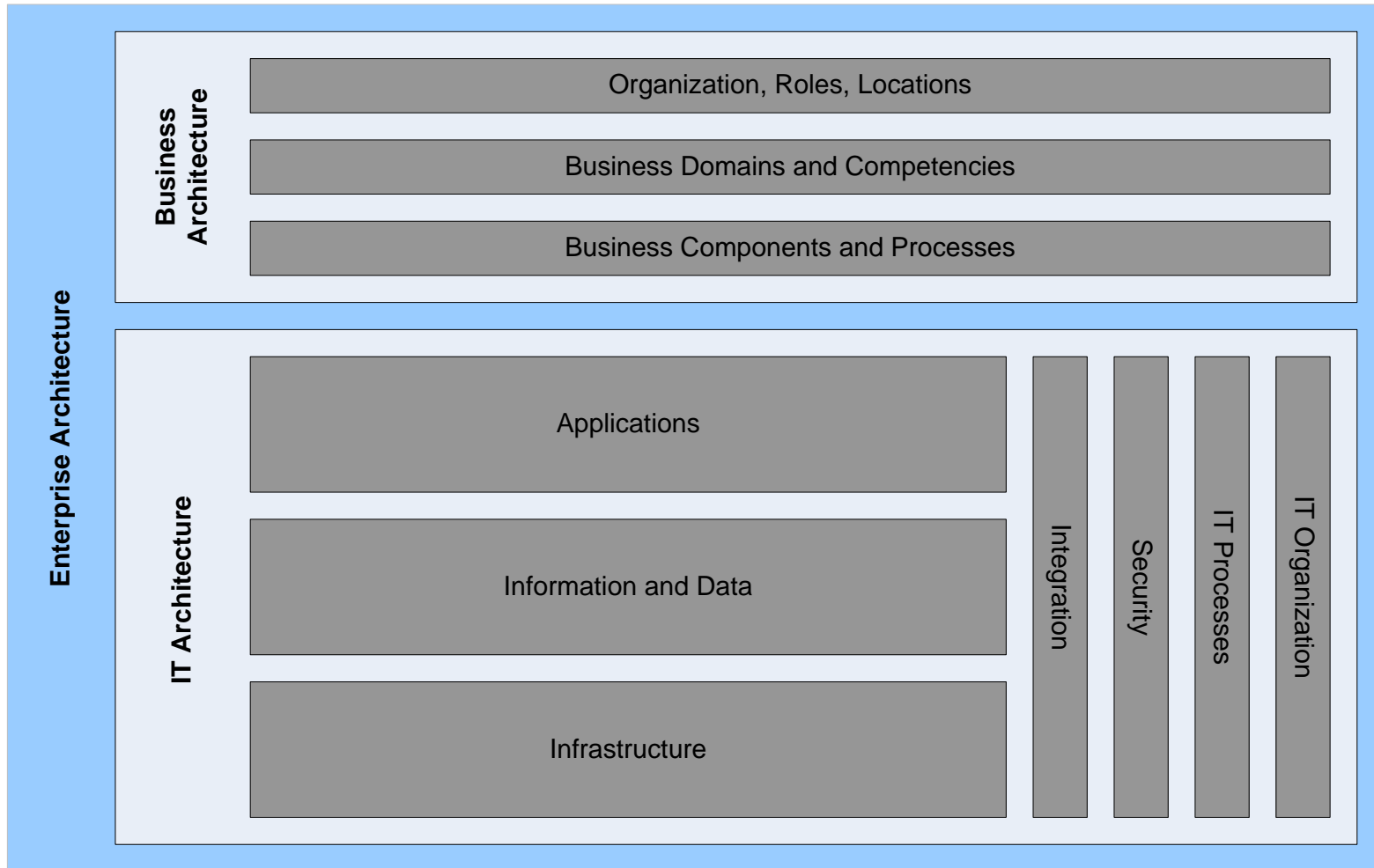
for

- Accelerator
- Medical
- NCR
- Office/Administration

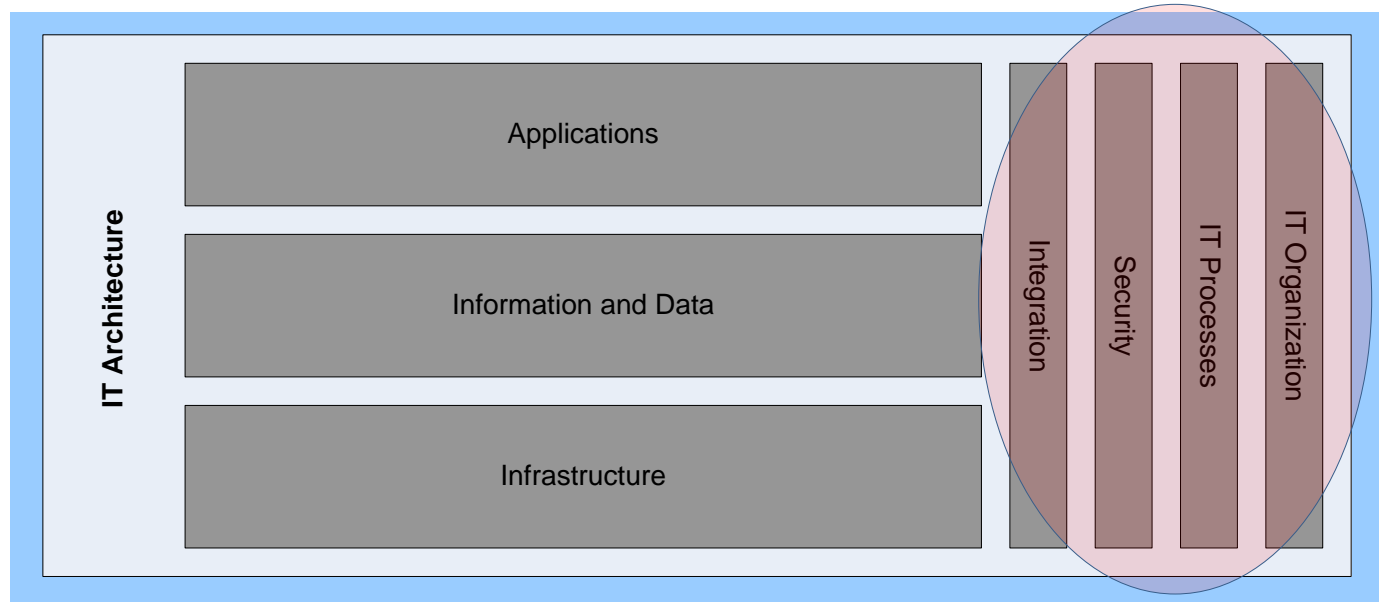
WHAT - IT Infrastructure

- Project with IBM Global Technology Services
 - From June 2010 to December 2010
 - Output
 - IT infrastructure architecture document
 - Ready for tendering

WHAT – IT Infrastructure

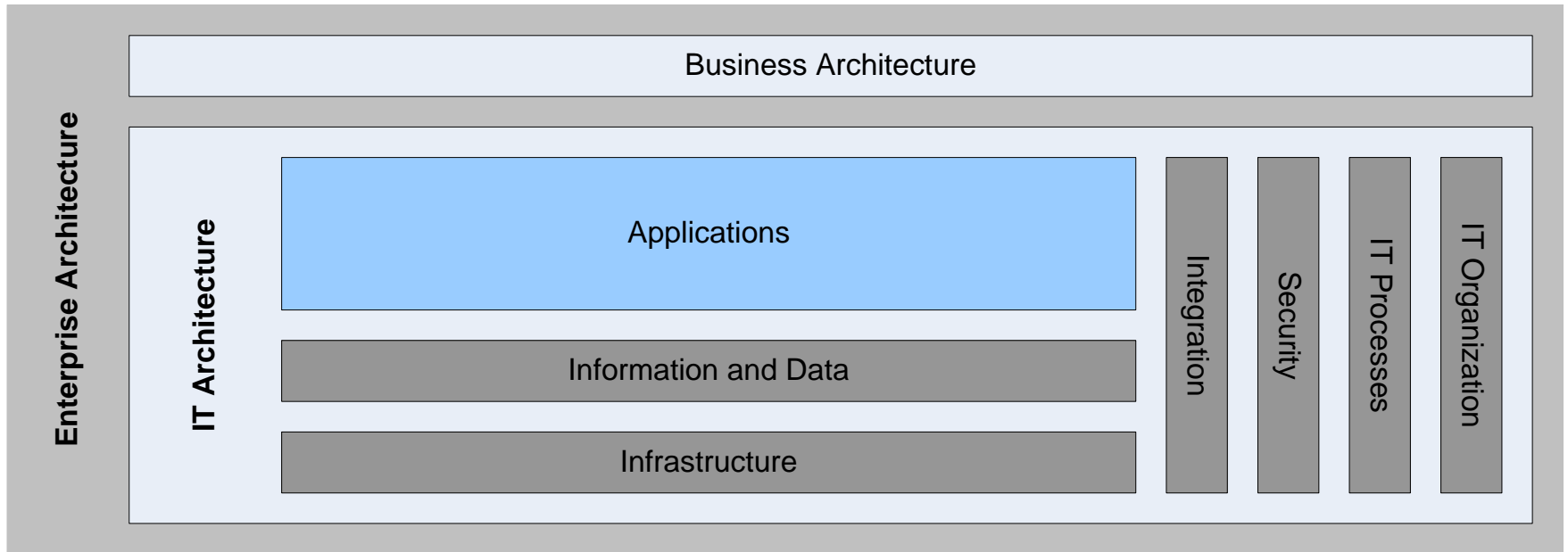


WHAT – IT Infrastructure

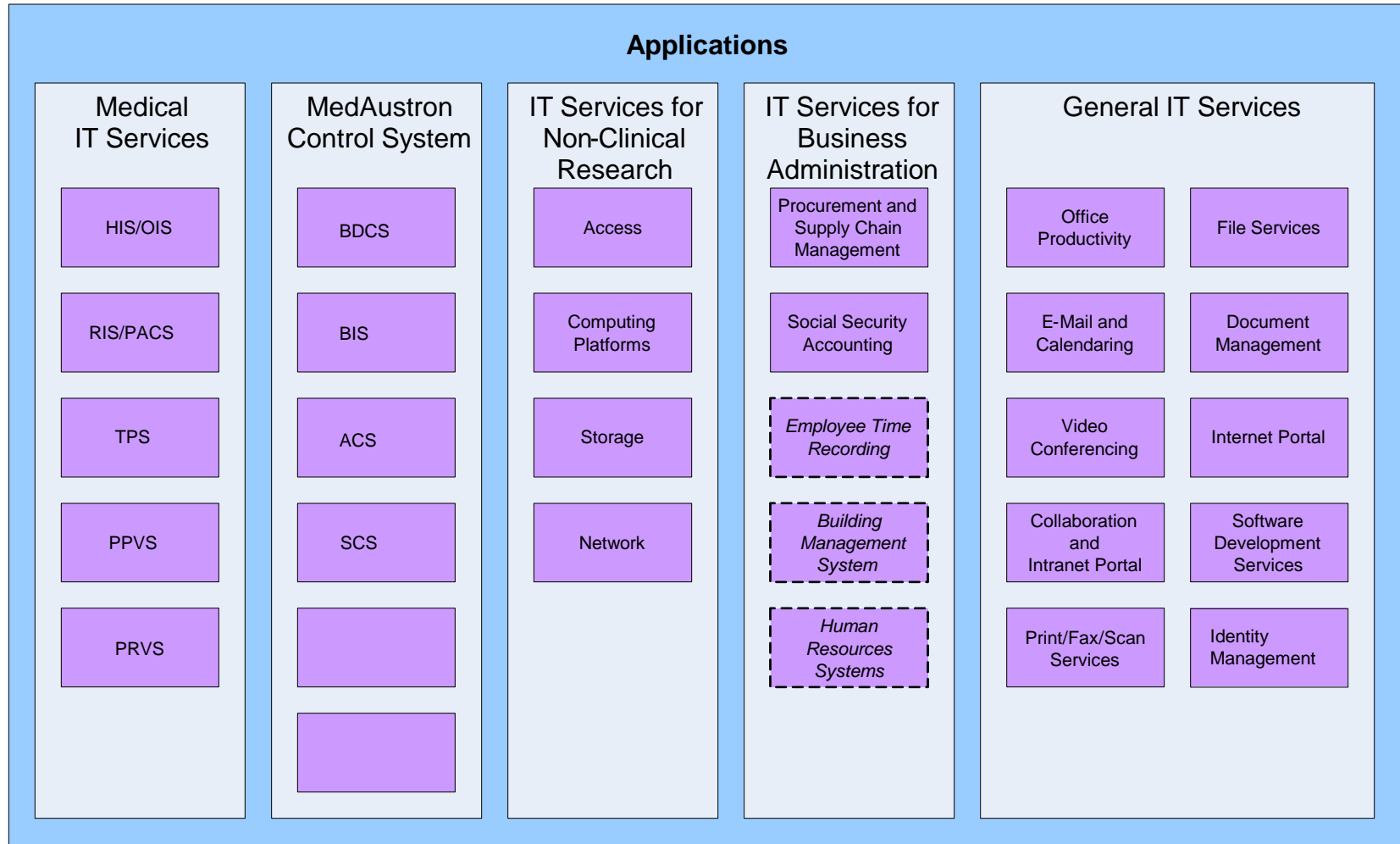


- **Integration** – technology, data exchange formats, ...
- **Security** – access mm, identity mm, anti-virus, intrusion detection, ...
- **IT Processes** - service desk, asset mm, change & release mm, ...
- **IT Organisation** – required resources, qualifications, ...

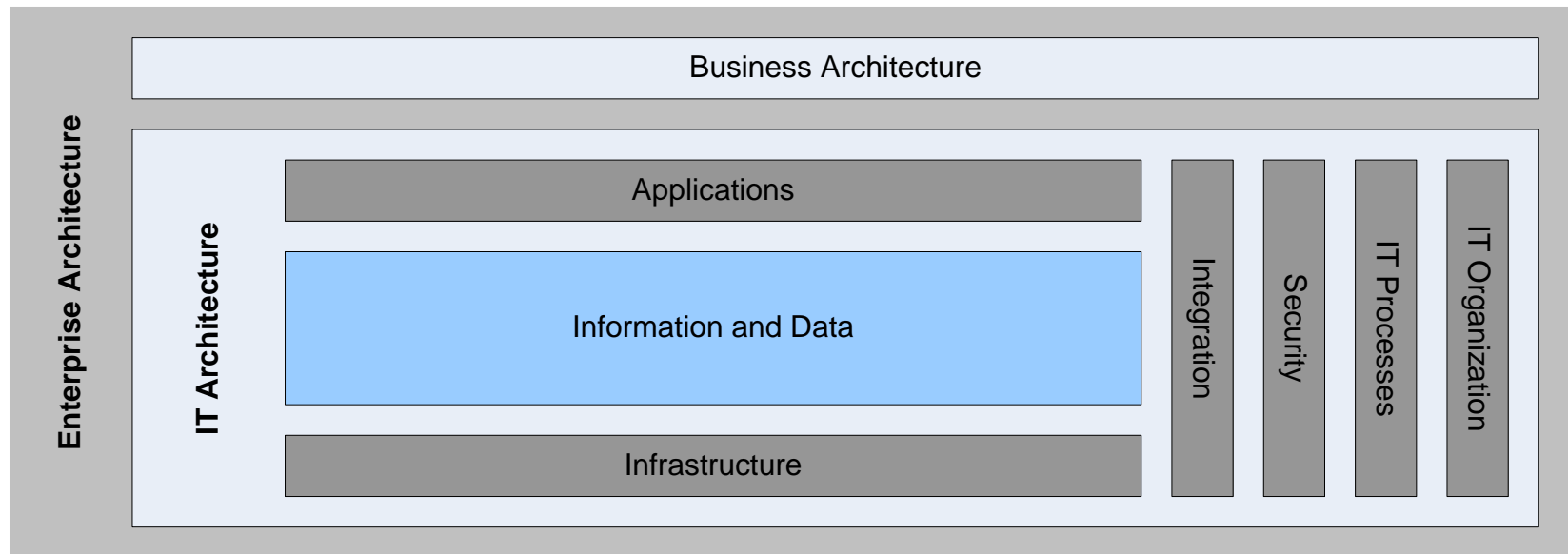
WHAT – Applications



WHAT – Applications



WHAT – Information and Data

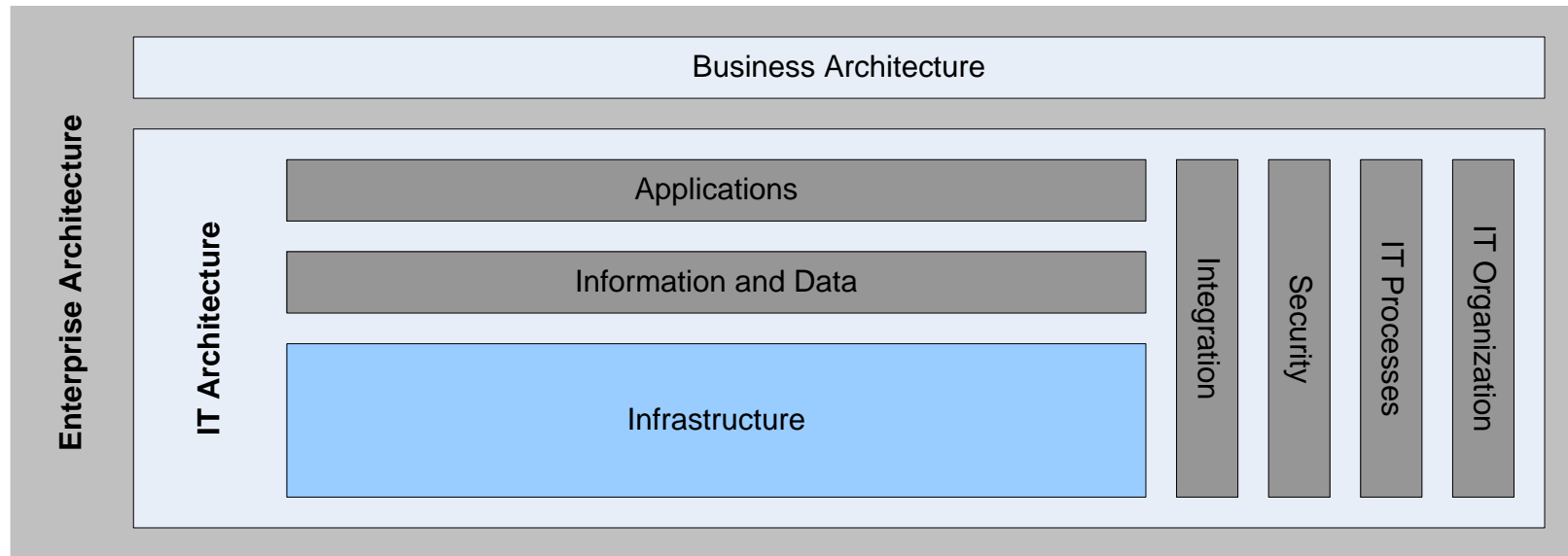


WHAT – Information and Data

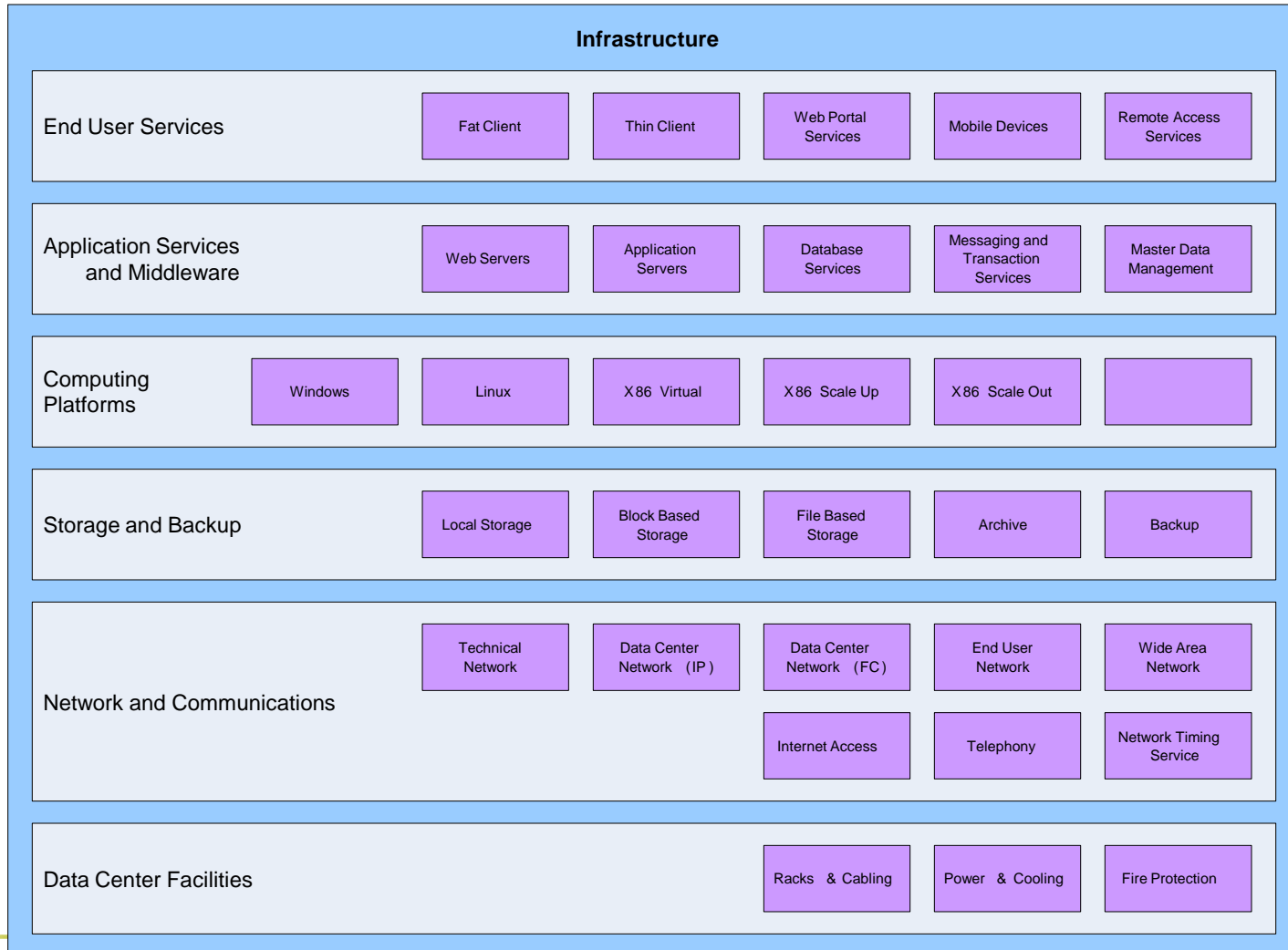
- Data Classification
 - Confidentiality
 - Availability
 - Performance
 - Retention time
 - Technical representation
- Data Quantity and Growth

- Medical Data
- MACS Data
- NCR Data
- Business Data
- Development Data
- Other

WHAT – Infrastructure



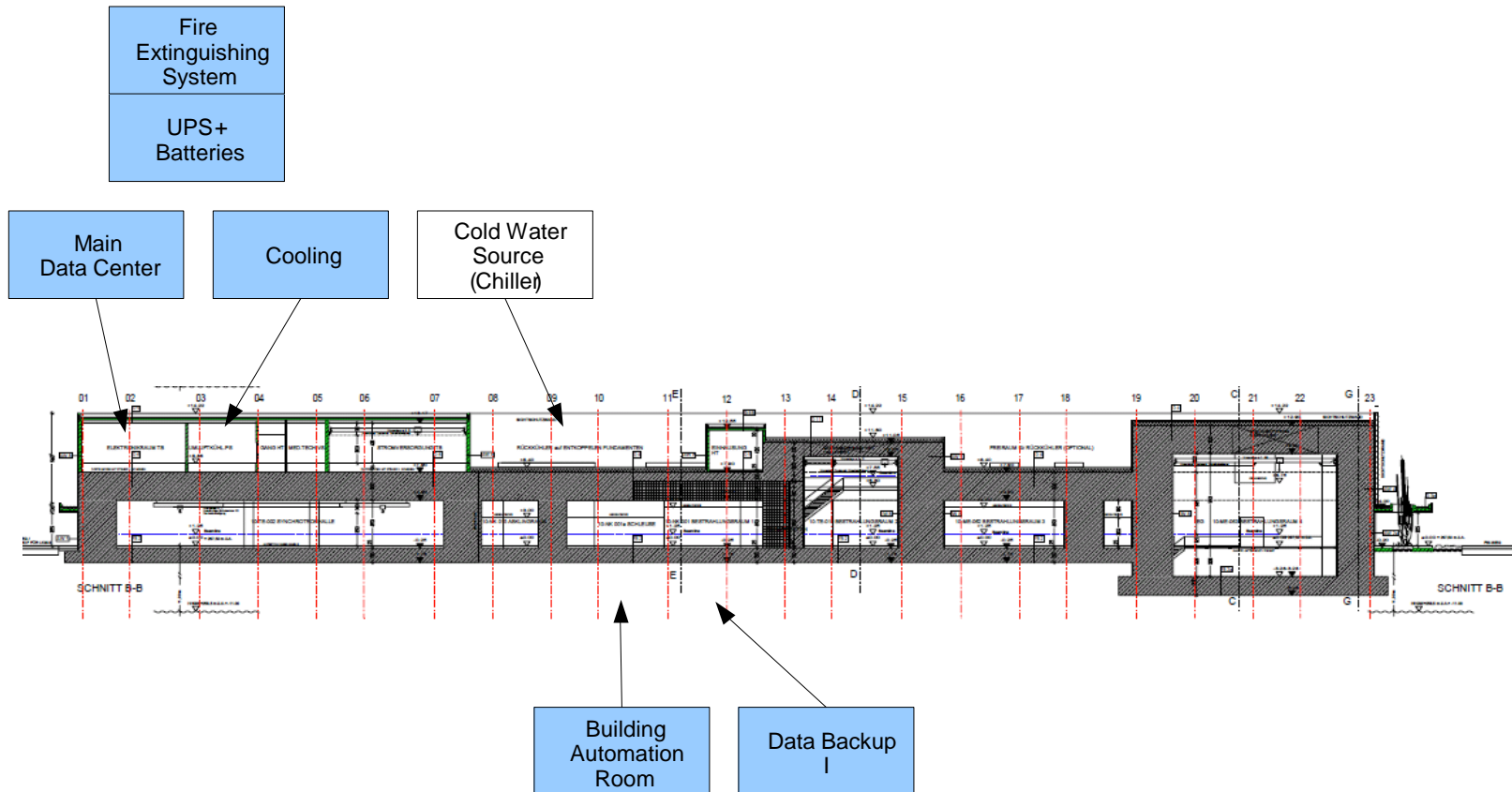
WHAT – Infrastructure



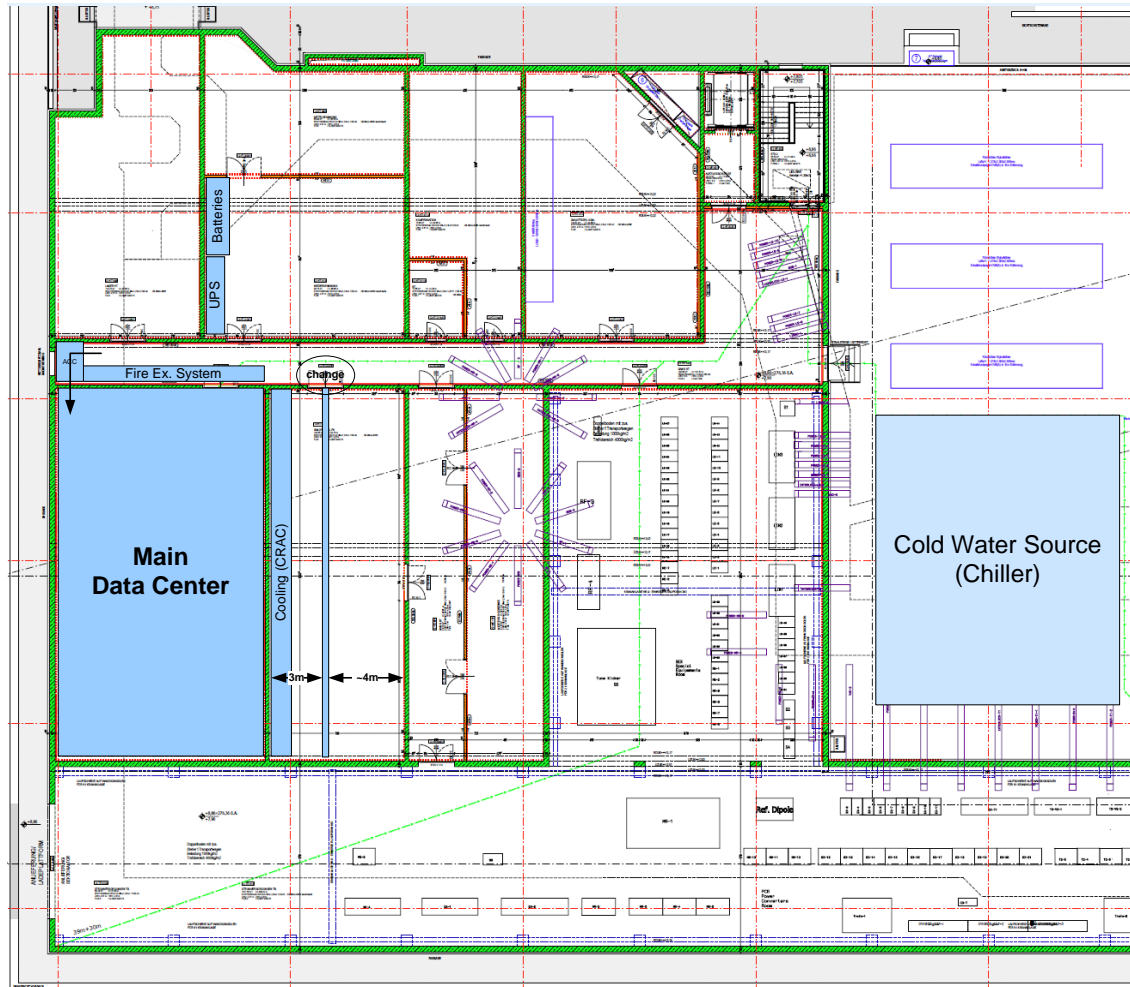
WHAT – Data Center

- Issues
 - Physical access control
 - Cooling
 - Power
 - Regular Power
 - Uninterruptable Power Supply
 - Fire Extinguishing System
 - DC Facility Management System
- Have to be defined until August 2010

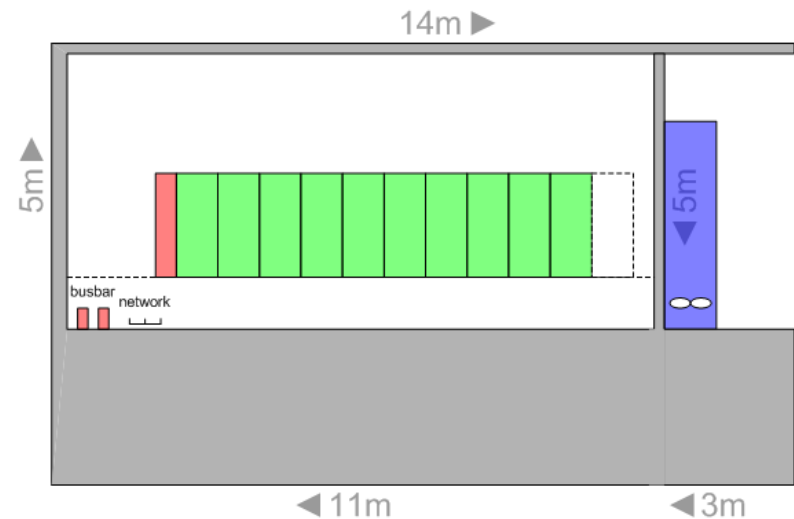
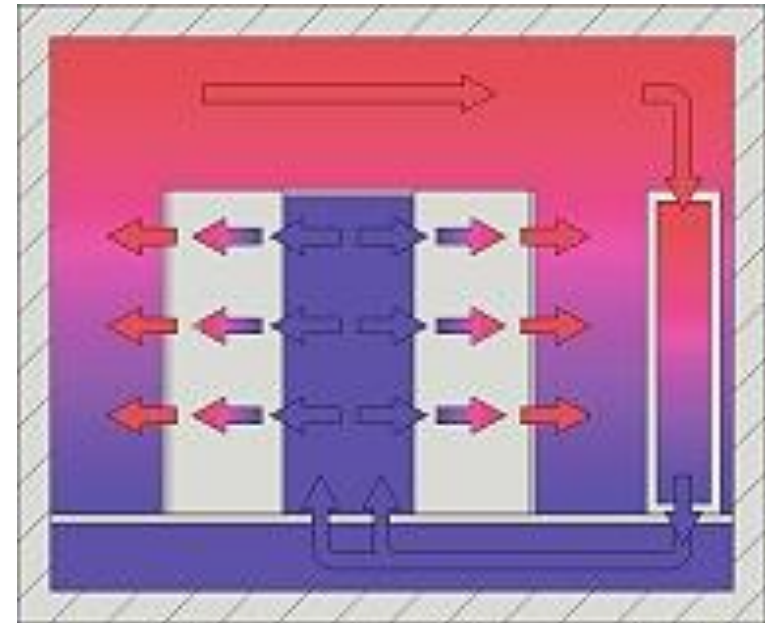
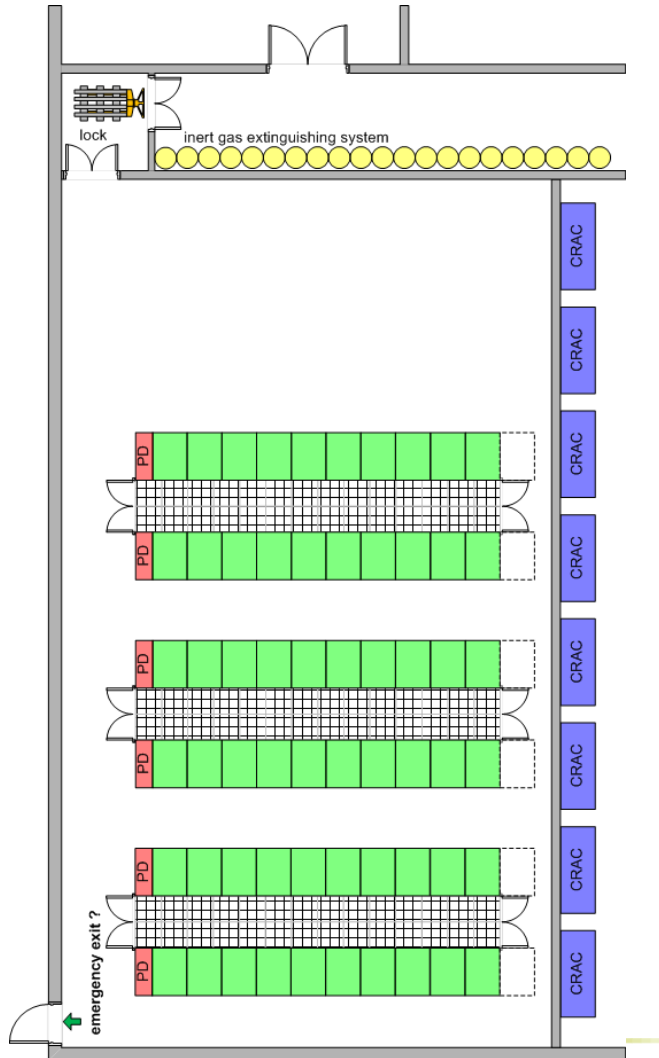
WHAT – Data Center



WHAT – Data Center



WHAT – Data Center



WHEN / OUTLOOK

- Goals for December 2010
 - Data Center building requirements defined
 - IT infrastructure requirements are defined
 - IT infrastructure architecture is defined
- OUTLOOK

