

2012 Olympics – National Grid's preparations

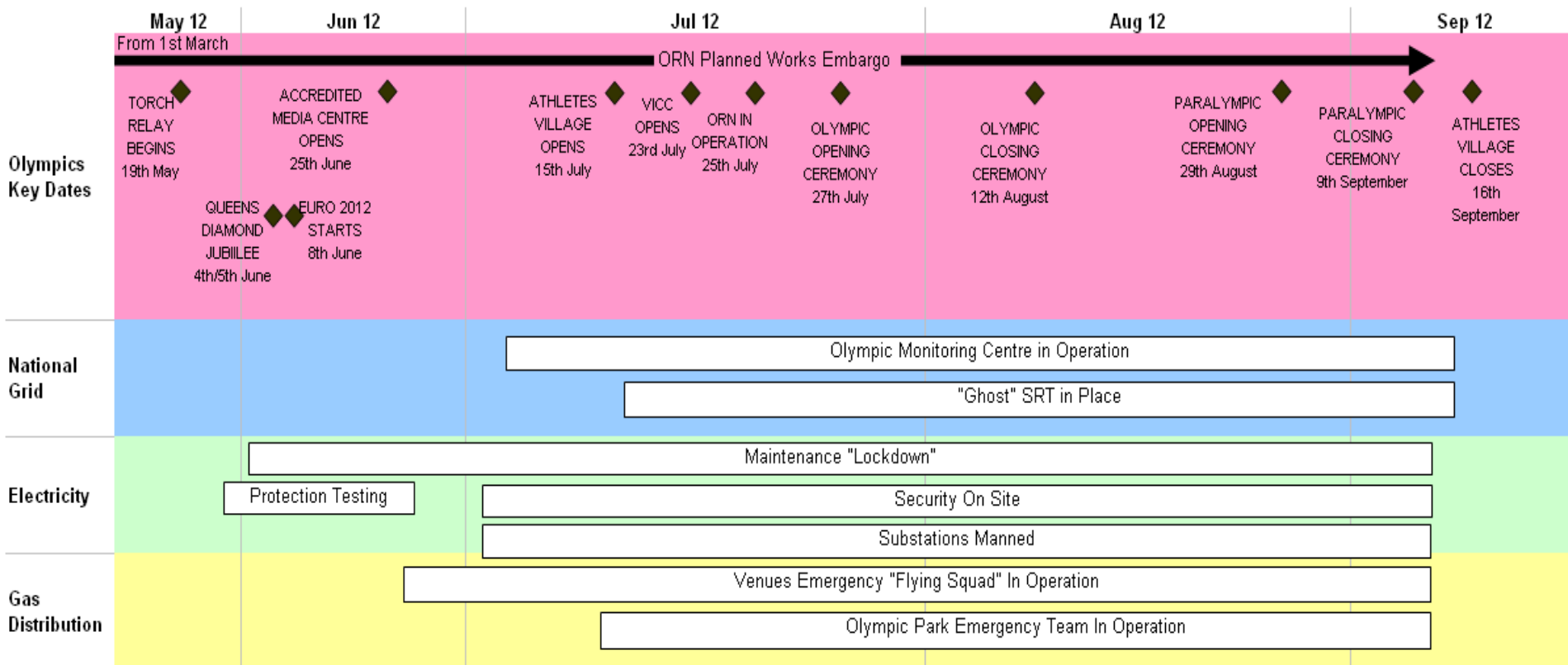


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Electricity Operational Forum – June 2012

Objectives

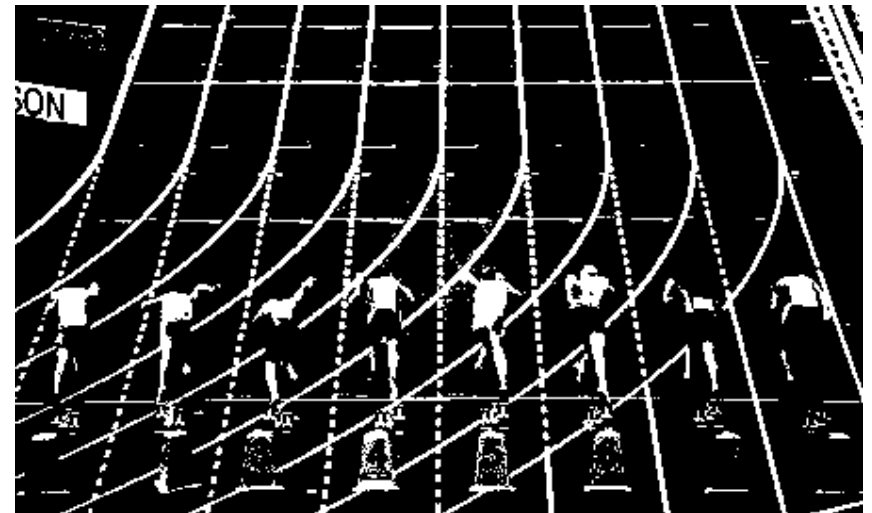
- Keep everyone safe
- Support the UK in hosting a successful Olympic Games
- Reliability : Provide additional resilience to Olympic Venues and key sites AND
- Continue to provide our usually resilient service to all of our customers

Timeline



Consider this...

- The iconic mens 100 metre sprint event
- The line up is complete and the finalists are awaiting the starting gun to begin the race
- Then ... the unthinkable ... everything goes dark



It began long before 6th July 2005 ...

- During 2004 - Preliminary discussions on undergrounding of overhead lines traversing the Olympic Park
- 2005 – 2009 - Major construction works - The Power Lines Undergrounding Project
- Resilience considerations - what is the starting point, what makes you do anything more than usual?
- Best practice - learning from previous host nations' utilities

Electricity : System Resilience



- We will have greater network redundancy with “Lockdown”
- To reduce the risk of outages a moratorium on planned maintenance will be put in place
- We will staff key substations for faster response capability
- We will have 24 x 7 monitoring (network and systems) with additional 24 x 7 support arrangements
- We will plan for a wide range of scenarios and contract with strategic generation to ensure standards are maintained
- We will have daily calls with all key parties; including UKPN
- We will run a strategic response structure with a Silver Command call each day
- Demand/Reserve – we will cater adequately for supply / demand variations

Electricity : Asset Strategy to prevent an asset failure



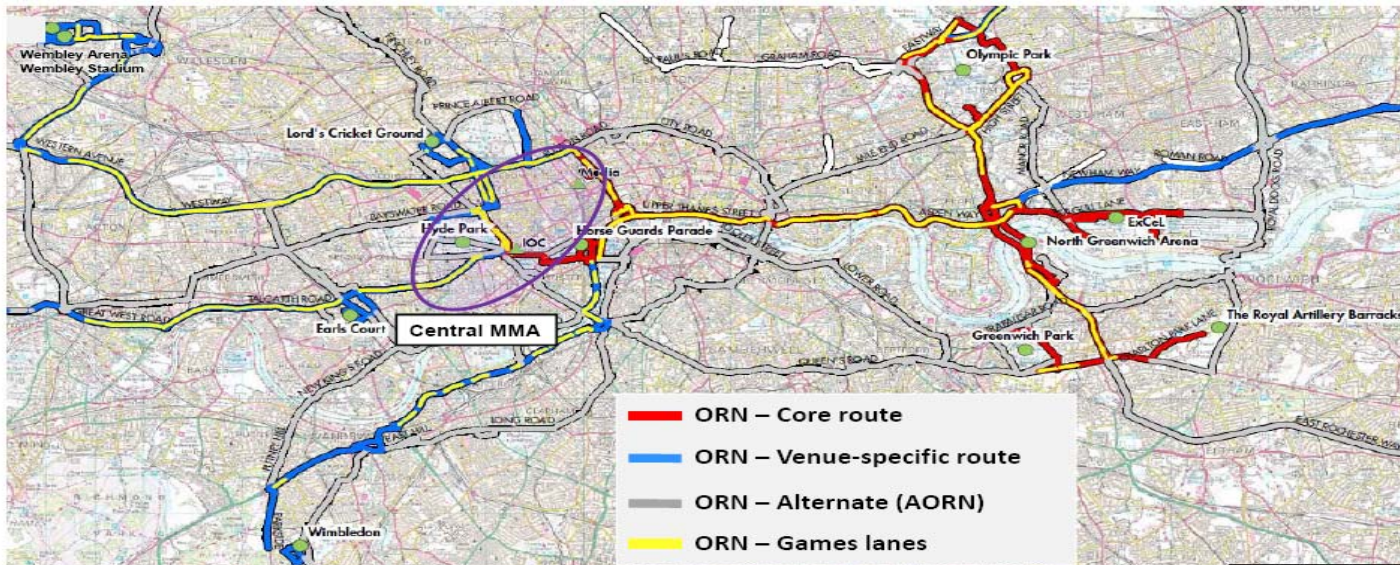
- We identified priority assets
 - In collaboration with Distribution companies, ODA and LOCOG
 - Based on Venues, transport hubs and other key sites
- We are planning to maximise circuit availability
 - A maintenance “Lockdown” from 3.6.12 – 9.9.12
- We had a maintenance review
 - Prioritised outstanding maintenance and rectification of defects
- We will test the Delayed Auto Reclose and protection systems just before the Games
- We remain vigilant to new threats / challenges e.g. common failure modes, environmental issues such as drought, etc.

Electricity : Asset Fault Response and Repair

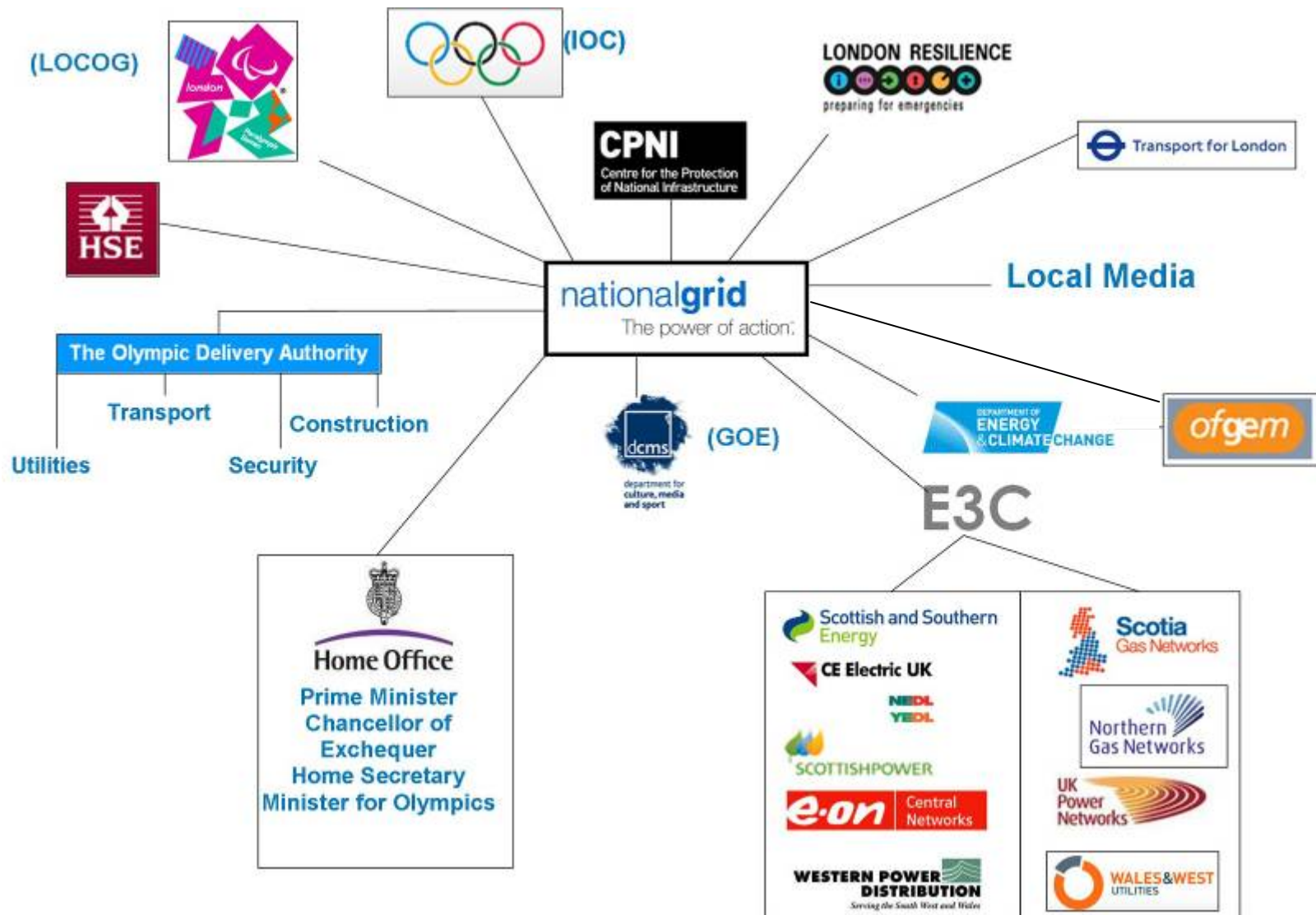
- Substation manning enables fastest possible response and diagnosis
- Repairable faults may be dealt with during the Games period (judgment and discretion of MDE Manager)
- Heavy load routes agreed with the Highways Agency avoiding the Olympic Route Network, in case needed
- Agreements with sub-contractors for availability and faster response where this may be beneficial

Access

- Travel time amended to reflect additional traffic congestion while carrying out our business as usual gas emergency service
- Attending gas emergencies at Venues, the Olympic Route Network and other key Olympic locations
- Vehicle Access Permits to use ORN and gain clearance at security cordons
- Accreditation of our staff to authorise entry to Olympic Venues



Stakeholder management



Q&A

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