# IS Applications 3 Year Rolling Planning 2014/15 to 2016/17

## Proposal Suggestion Template

|  |  |  |  |
| --- | --- | --- | --- |
| Programme | *Infrastructure* | Programme Priority | *2* |
| Portfolio | *ISG*  | Portfolio Priority |  |
| Proposal Name | *Automated Server Builds* |
| Proposal Sponsor | *David Smyth* |
| Other Contributors | *Heather Larnach, Iain Fiddes* |
| What it is | This project is to take forward the recommendations of the current 13/14 project to produce a proof of concept. This project will provide the necessary production infrastructures required to deploy new environments and will produce a list of environments that can be managed under the service. The project would also produce recommendations for future projects and how to incorporate new services into the automated build system. |
| Why it is needed / what the benefits are | This is needed to provide a more agile means of provisioning servers and services on those servers to make our delivery not only more efficient but also more consistent. It would also add to our options in the event of a system corruption or disaster in being able to rebuild services more quickly.Infrastructure configuration has traditionally been carried out by hand. This has had the unfortunate side effect of introducing unintentional differences in the builds of different machines. This difference is frequently the source of unreliability or failure in the infrastructure and automation has the effect of overcoming this problem.  |
| When is it needed | *Start Year: 2014/15**Duration (No. of Years): 1* |
| Type of work  | *Compliance\* / Discretionary* | Funding Source | *Core Grant / Sponsor Funded* |
| \*Compliance Justification  | *Provide brief details re. why this should be considered Compliance* | Proposal Type | *New /Carry Over* |

## Estimation

|  |  |  |
| --- | --- | --- |
| Estimation Type  | *Software Development* |  |
| *Software Configuration e.g. SITS* |  |
| *Infrastructure Development* | *x* |
| *Business Case / Options Appraisal*  |  |
| *Procurement* |  |
| *Implement Package Solution* |  |
| Estimated IS Apps Days (see additional guidance\*) | *M* | Estimated Business Partner Days | *n/a* |
| Estimated Service Management Days | *n/a* | Impact on other Service area | *n/a*  |
| Estimation Confidence *(delete as required)* | *Reasonably Confident (Similar to previous work)* |
| Estimation References | *Justification for the Estimated Days and Estimation Confidence. This section is also used to provide any other relevant information the proposal estimate. This may include:** *Assumptions about the project approach, scope or deliverables*
* *Details of previous similar projects*
* *Risks or other unknown elements*

*Record as many details as are relevant* |

**\*Estimation – Additional Guidance:**

For 1st stage/iteration of Red Line, the following standard estimation categorisations will be used,

* Small – 50 days
* Medium – 120 days
* Large – 250 days
* Extra Large – 500 days