Value Engineering 2015

Summary of Results

Continuous Improvement Zone
Value Engineering

• An annual risk assessment of ONS outputs
• Gives a high level overview of how risks to quality are distributed
• Outputs are assessed on 8 dimensions of risk
• On each dimension each output is rated as:
  • Green – No issues/Low risk
  • Amber – Improvement possible/Moderate risk
  • Red – Action required/High risk
• This then feeds into an overall ‘composite score’ for each output
Dimensions

Sources
Methods
Systems
Processes
Quality
Users
Reputation
People
How it works

- Risks self assessed by output managers
  - Scores are assured by Deputy Directors, data collection areas and DTM
    - Importance weights reviewed by Directors
      - Challenges responded to by output managers/DDs
How it gets used

- KPI for NSEG
- Feeds into Regular Quality Reviews
- Prioritises Quality Team workstreams
- Presented to ONS-wide and divisional boards
- Used by divisions for business planning and risk management
Overall RAG Status Percentages

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>% Red</td>
<td>15.6</td>
<td>12.6</td>
<td>17.0</td>
<td>19.1</td>
<td>21.4</td>
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<tr>
<td>% Amber</td>
<td>45.9</td>
<td>42.1</td>
<td>51.9</td>
<td>48.7</td>
<td>32.0</td>
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<tr>
<td>% Green</td>
<td>38.6</td>
<td>45.33</td>
<td>31.0</td>
<td>32.2</td>
<td>46.6</td>
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</table>

• Based on the 2014 adjusted results, we performed slightly worse on our KPI than last year (though we’re still meeting our target)

• The highest risk score was 162 – a decrease on last year after adjustments

• The systems dimension remains the primary driver of risk

• Lots of movement of statistics across the red/amber threshold

• Our very riskiest outputs have mainly stayed the same or improved – the key rises in risk have come from moderately risky outputs
Box plots of composite scores

Composite scores are a summary of the overall risk to an output, weighted by importance - a higher score represents more of a risk to the ONS. The scale runs from 0 to 216.

Outer lines = Max/Min

‘Boxes’=LQ/UQ

Diamonds=Median

2014/13/12 scores are unadjusted
## Highest Risk Outputs 2015

<table>
<thead>
<tr>
<th>Directorate</th>
<th>Division</th>
<th>Output</th>
<th>2015 Score</th>
<th>2014 Score (Adj.)</th>
<th>2015 Rank</th>
<th>2014 Rank</th>
</tr>
</thead>
<tbody>
<tr>
<td>NAES</td>
<td>EH&amp;EI</td>
<td>Business investment-provisional results (first release)</td>
<td>162</td>
<td>162</td>
<td>1=</td>
<td>2=</td>
</tr>
<tr>
<td>NAES</td>
<td>EH&amp;EI</td>
<td>Business investment-revised results (first release)</td>
<td>162</td>
<td>162</td>
<td>1=</td>
<td>2=</td>
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<tr>
<td>NAES</td>
<td>GCC</td>
<td>Public Sector Finances (First Release) and related data and tables</td>
<td>162</td>
<td>126</td>
<td>1=</td>
<td>8=</td>
</tr>
<tr>
<td>NAES</td>
<td>SIS</td>
<td>UK trade (first release)</td>
<td>162</td>
<td>162</td>
<td>1=</td>
<td>2=</td>
</tr>
<tr>
<td>S&amp;A</td>
<td>WISE</td>
<td>EU Statistics on income and living conditions (EU-SILC)</td>
<td>162</td>
<td>144</td>
<td>1=</td>
<td>7</td>
</tr>
<tr>
<td>NAES</td>
<td>EH&amp;EI</td>
<td>Capital stocks and consumption of fixed capital</td>
<td>144</td>
<td>162</td>
<td>6=</td>
<td>2=</td>
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<tr>
<td>NAES</td>
<td>EH&amp;EI</td>
<td>UK balance sheets</td>
<td>144</td>
<td>144</td>
<td>6=</td>
<td>6</td>
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<tr>
<td>NAES</td>
<td>GCC</td>
<td>Government debt and deficit under the Maastricht Treaty (First Release) and International Government Finance Statistics transmissions to Eurostat, ECB, IMF, OECD and World Bank</td>
<td>144</td>
<td>126</td>
<td>6=</td>
<td>8=</td>
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<tr>
<td>NAES</td>
<td>PRICES</td>
<td>Service Producer Price Index (SPPI)</td>
<td>144</td>
<td>117</td>
<td>6=</td>
<td>14=</td>
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<tr>
<td>DC</td>
<td>SSD</td>
<td>Family Spending publication &amp; LCF</td>
<td>126</td>
<td>108</td>
<td>10=</td>
<td>18=</td>
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<tr>
<td>NAES</td>
<td>LMD</td>
<td>Claimant Count</td>
<td>126</td>
<td>189</td>
<td>10=</td>
<td>1</td>
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<tr>
<td>NAES</td>
<td>NACD</td>
<td>Input - Output - Supply &amp; use tables for the United Kingdom</td>
<td>126</td>
<td>126</td>
<td>10=</td>
<td>8=</td>
</tr>
<tr>
<td>S&amp;A</td>
<td>WISE</td>
<td>Effects of Taxes and Benefits on household income</td>
<td>126</td>
<td>99</td>
<td>10=</td>
<td>18=</td>
</tr>
</tbody>
</table>

Red = Increase in risk since last year. Green = Decrease in risk since last year.
Systems remains the key source of risk but it has improved since last year.
Amber scores outweigh red scores on every dimension. Green scores outweigh red scores on every dimensions except systems.
• Themes with fewer than 10 red scores excluded.
• Key issues are systems, processes and sources.
• If you bundled M204, Systems and CORD they would dwarf the other themes.
What next..?

• Consider results in business planning etc
• Is additional information required?
• Additional analysis