**Risk Assessment Action 4 Worksheet: Summarize Risk**

Worksheet Last Updated By: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Worksheet Last Updated On: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Identification of Unacceptable and Acceptable Risks

List critical loads and mark if the expected annual outage duration (unweighted risk) found in the Unweighted Risk Results (outage hours/year) table on the online form or the Risk Assessment Excel file **Tab 6** is acceptable, unacceptable, or yet to be decided based on the professional judgement of the resilience planning team. If any risks are considered “acceptable,” explain the rationale, and do not carry the results forward in the Technical Resilience Navigator (TRN) process (i.e., do not develop solutions for risks that are considered acceptable).

|  |  |  |  |
| --- | --- | --- | --- |
| **Critical Loads** | **Unacceptable Unweighted Risk** | **Acceptable Unweighted Risk** | **Comments** |
| *IT plug loads in Data Center X* | *X* |  | *Data Center X provides mission critical services, Y outage hours/year not an acceptable risk* |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

Record Key Risk Drivers

List critical loads in order of greatest weighted risk to smallest weighted risk based on the Weighted Risk Results table on either the online form or the Risk Assessment Excel file **Tab 6**. Weighted risk does not have meaningful units, and you should use it as a tool to compare risk levels rather than evaluating the absolute numbers.

|  |  |
| --- | --- |
| **Critical Loads** | **Weighted Risk** |
| *IT plug loads in Data Center X* | *400* |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

Review Risk Factors

Review the Hazard/Critical Load Risk (weighted risk) table on either the online form or the Risk Assessment Excel file **Tab 6** and identify the hazards and threats that represent the largest risks (denoted by the darker shading). Record those hazards and threats in the table below, noting the impacted critical load and specific outage duration that makes up the largest portion of the risk. Be sure to note which redundant systems currently serve those critical loads and record any observations on their gaps (identified from the vulnerability questions in either the online form for Action 3 or the Risk Assessment Excel file **Tab 4**), as it may be a useful consideration for a resilience enhancing solution in the next module. If there are dual-impact hazards and threats that, across critical loads, represent a large contribution to the overall weighted risk, be sure to include them in the table below.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Hazard or Threat Description** | **Critical Loads** | **Associated Outage Duration** | **Redundant Systems** | **Comments** |
| *Earthquake Magnitude 6* | *IT plug loads in Data Center X*  *IT plug loads in Data Center Y* | *1 month+* | *Diesel generator (energy)*  *Water storage tank (water)* | *Diesel generator does not have design protection against earthquake of this magnitude, nor does water storage tank, not storage of diesel of water for a 1-month outage of primary resources, no testing program—all risk contributors* |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |