Table 1: Rate of Occurance by Attack Combination(Ver 1)

Attack Likelihood	Typical Severity	Skills Required	Pi	Occurance	Percentage
low	high	high	0.57	22.00	27.85%
low	medium	low	0.66	5.00	6.33%
medium	high	n/a	0.5	5.00	6.33%
low	high	medium	0.65	4.00	5.06%
n/a	low	n/a	0.18	4.00	5.06%
n/a	n/a	n/a	0	4.00	5.06%
low	high	n/a	0.43	3.00	3.80%
medium	high	low	**0.82**	2.00	2.53%
medium	medium	low	**0.76**	2.00	2.53%
low	very high	high	0.6	2.00	2.53%
high	high	n/a	0.55	2.00	2.53%
n/a	very high	n/a	0.36	2.00	2.53%
n/a	medium	n/a	0.25	2.00	2.53%
high	very high	low	**1**	1.00	1.27%
high	high	low	**0.91**	1.00	1.27%
high	high	medium	**0.83**	1.00	1.27%
high	medium	low	**0.82**	1.00	1.27%
medium	high	medium	**0.76**	1.00	1.27%
low	very high	low	0.73	1.00	1.27%
medium	medium	medium	0.71	1.00	1.27%
high	low	medium	0.71	1.00	1.27%
low	high	low	0.7	1.00	1.27%
high	medium	high	0.68	1.00	1.27%
low	very high	medium	0.68	1.00	1.27%
medium	high	high	0.66	1.00	1.27%
medium	medium	high	0.62	1.00	1.27%
n/a	medium	low	0.5	1.00	1.27%
low	low	high	0.48	1.00	1.27%
n/a	high	medium	0.48	1.00	1.27%
n/a	low	low	0.47	1.00	1.27%
medium	medium	n/a	0.46	1.00	1.27%
n/a	medium	medium	0.44	1.00	1.27%
n/a	high	n/a	0.31	1.00	1.27%

Table 2: Rate of Occurance by Attack Combination(Ver 1)

Attack Likelihood	Typical Severity	Skills Required	Pi	Occurance	Percentage
high	very high	low	1	1.00	1.27%
high	high	low	0.91	1.00	1.27%
high	high	medium	0.83	1.00	1.27%
high	medium	low	0.82	1.00	1.27%
medium	high	low	0.82	2.00	2.53%
medium	medium	low	0.76	2.00	2.53%
medium	high	medium	0.76	1.00	1.27%
low	very high	low	0.73	1.00	1.27%
medium	medium	medium	0.71	1.00	1.27%
high	low	medium	0.71	1.00	1.27%
low	high	low	0.7	1.00	1.27%
high	medium	high	0.68	1.00	1.27%
low	very high	medium	0.68	1.00	1.27%
low	medium	low	0.66	5.00	6.33%
medium	high	high	0.66	1.00	1.27%
low	high	medium	0.65	4.00	5.06%
medium	medium	high	0.62	1.00	1.27%
low	very high	high	0.6	2.00	2.53%
low	high	high	0.57	22.00	27.85%
high	high	n/a	0.55	2.00	2.53%
n/a	medium	low	0.5	1.00	1.27%
medium	high	n/a	0.5	5.00	6.33%
low	low	high	0.48	1.00	1.27%
n/a	high	medium	0.48	1.00	1.27%
n/a	low	low	0.47	1.00	1.27%
medium	medium	n/a	0.46	1.00	1.27%
n/a	medium	medium	0.44	1.00	1.27%
low	high	n/a	0.43	3.00	3.80%
n/a	very high	n/a	0.36	2.00	2.53%
n/a	high	n/a	0.31	1.00	1.27%
n/a	medium	n/a	0.25	2.00	2.53%
n/a	low	n/a	0.18	4.00	5.06%
n/a	n/a	n/a	0	4.00	5.06%

Table 3: TOPSIS Pi Top Ten

Meta Attack Pattern	Detailed Attack Pattern	TOPSIS Pi	Percentage
Resource Location Spoofing	Leveraging/Manipulating Configuration File Search Paths	1	1.27%
Excavation	WSDL Scanning (var. 1)	0.91	1.27%
Excavation	WSDL Scanning (var. 2)	0.83	1.27%
Excavation	Directory Indexing (var. 1)	0.82	1.27%
Resource Location Spoofing	Bluetooth Impersonation AttackS (BIAS)	0.82	2.53%
Resource Location Spoofing	Repo Jacking	0.82	--
Excavation	Collect Data from Registeries	0.76	2.53%
Excavation	Collect Data from Screen Capture	0.76	--
Metadata Spoofing	Metadata Spoofing	0.76	1.27%
Malicious Logic Insertion	Altered Component Firmware (var. 3)	0.73	1.27%
Total Attack Surface:		--	**12.66%**

Vulnerability Occurence by Category