Round 1 CCI Possible Focused Topics for Adversarial Thinking (draft)

Index	Category	Topic

Adversarial Thinking
1		adversarial modelling
2		assess vulnerabilities
3		analyze threats
4		manage risks
5		perform security assessments
6		attention to detail
7		healthy skepticism and paranoia

Fundamental Concepts
8		confidentiality
9		authentication
10		integrity
11		assured operations
12		trust, including rooting trust in hardware

Attack & Defense
13		well-known attacks, including man-in-the-middle, replay, traffic analysis, denial of service
14		social engineering
15		insider threat
16		countermeasures, including physical security, defense-in-depth

Cryptography
17		symmetric and asymmetric encryption
18		select and apply appropriate cryptographic functions (encryption, hash function, digital signature)
19		key management, including public-key infrastructure