



HALIFAX

HRP Cybersecurity Update

BoPC Meeting June 17, 2019

Objectives

As Presented to the Board October 15th, 2018

- **Introduce fundamental concepts of security**
 - Completed sessions with select employees on Cyber Security Fundamentals
- **Establish a common dialogue**
 - Regular engagement with HRP EMT
- **Alignment**
 - Cybersecurity objectives included in HRP Strategic plan
- **Audit recommendations update**
 - Implementation of monthly updates provided to BoPC



Risk Register

- **Likelihood:**

The probability of a risk event occurring

- **Low** – Not expected, but there's a slight possibility it may occur at some time
- **Medium** – The event might occur at some time
- **High** – Very likely, the event is expected to occur or is already occurring

- **Impact:**

Scored based upon overall effect to the organization

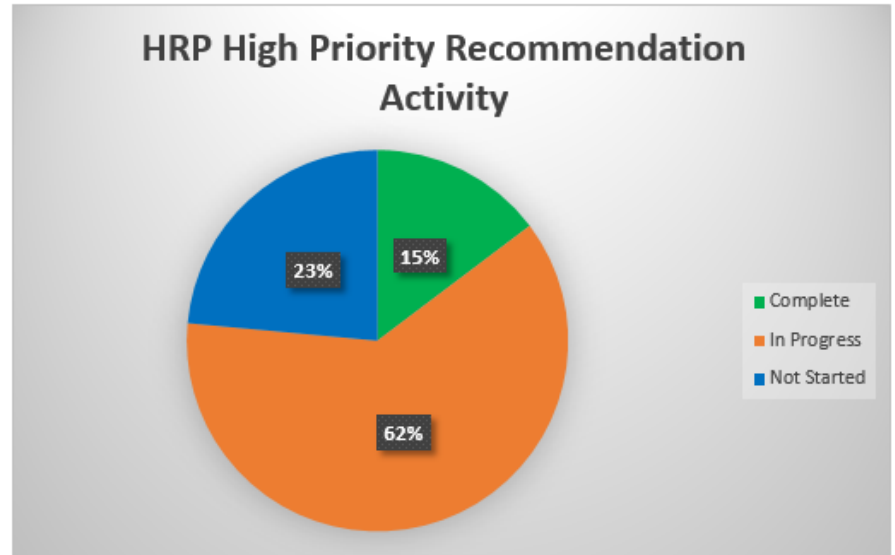
- **Low** – This risk will not substantively impede the full realization of the objective
- **Medium** – The risk will cause elements of the realization of the objective to be delayed or prevented
- **High** – The risk will cause elements of the realization of the objective to not be achieved



Risk Register High Priority

Specific to those recommendations that were identified as having High Impact and High Likelihood.

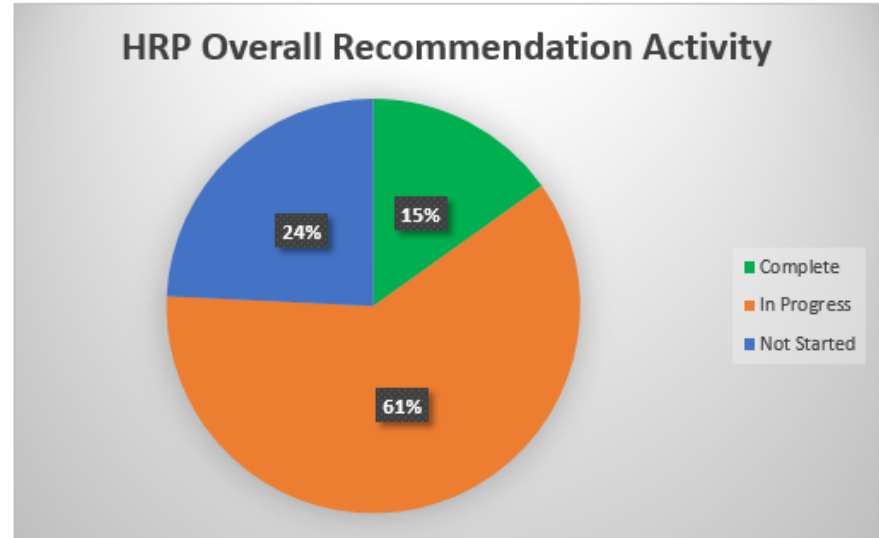
HRP High Priority Recommendation Activity	
Status	Count
Complete	5
In Progress	21
Not Started	8
Total	34



Risk Register Overall Activity

Total Recommendations		
Impact	Likelihood	Count
High	High	34
High	Medium	15
Medium	High	4
Medium	Medium	10
Medium	Low	3
Total		66

HRP Overall Recommendation Activity	
Status	Count
Complete	10
In Progress	40
Not Started	16
Total	66



Year In Review

- 50% of the completed recommendations are high impact high likelihood recommendations
- The remaining high impact high likelihood findings are priority for HRP and many are in flight, however; they have identified dependencies that are required to be completed beforehand.
- Of the 66 recommendations 10 have been completed, 40 are currently in-progress and 16 have not yet started.
- ISMS Framework and supporting documents/policies have been completed. They are currently in peer review and will be put forth for departmental order through HRP policy team.
- Two System Security Administrators have been successfully hired (Start date May 13, 2019)



Capability Maturity Model

Information Security Ratings are evaluated according to the information security approach adopted by the organization. This includes selected controls or solutions, deployment strategy, metrics, system monitoring, organizational plans, and culture.

The ratings are organized in five categories: Initial, Developing, Defined, Managed and Optimizing. Optimizing being the highest rating which would indicate that an organization is postured for continuous improvement in the rated category.

	Rating	Description
Where we were	(1) Initial	Ad hoc, no processes, uncontrolled, reactive and/or undocumented.
Where we are	(2) Developing	Developing processes, repeatable results and/or informal documentation.
	(3) Defined	Defined processes, consistent results and/or formal documentation.
Our Target	(4) Managed	Defined metric generating processes, predictable results and/or integrated formal risk-based documentation.
	(5) Optimizing	Defined optimizing processes, audited measurable objective-base results and/or formal risk-improvement-based documentation.



Comments and Questions



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