Information Technology
& Data Analytics

DevSecOps & Automation – EP&S

Monthly Report Out - January 2024

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CONTENTS

1) 2024 OKR and Focus Areas
2) DSO Status per director
3) Technical Sessions
4) Automation Progress
5) Training and references

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2024 OKR AND FOCUS AREAS

DevSecOps

1- Improve maturity for business critical applications

to Level 3 (minimum).- focus on 10% of applications (50) that have completed Assessment.

2- Focus on DevSecOps maturity for apps already in cloud or plan to move in 2024

3- Complete assessment for product with highest ROI - 20% Remaining Apps.

4- Build Reusable libraries from learnings and success stories

5- Training and Upskilling sessions for team (3 per Quarter)

6- Pilot projects with Software chapter team to improve maturity

Automation

1- Improve Automation efficiency high ROI Products and bring product efficiencies.

2- Overall savings of 140K Hrs (35K/Per Director)

3- Build Lean practices and automation for Compliance , TechDebt and Compute

High ROI products for focus:

- Jennifer
  - Regulatory and Safety
- Tatum
  - System Engineering
  - Electrical Engineering
  - Customer Engineering (CE)
- Buba
  - Digital Market Products
  - Technical Publications
- Jeff
  - Embedded Program Support
  - Product Support Analysis

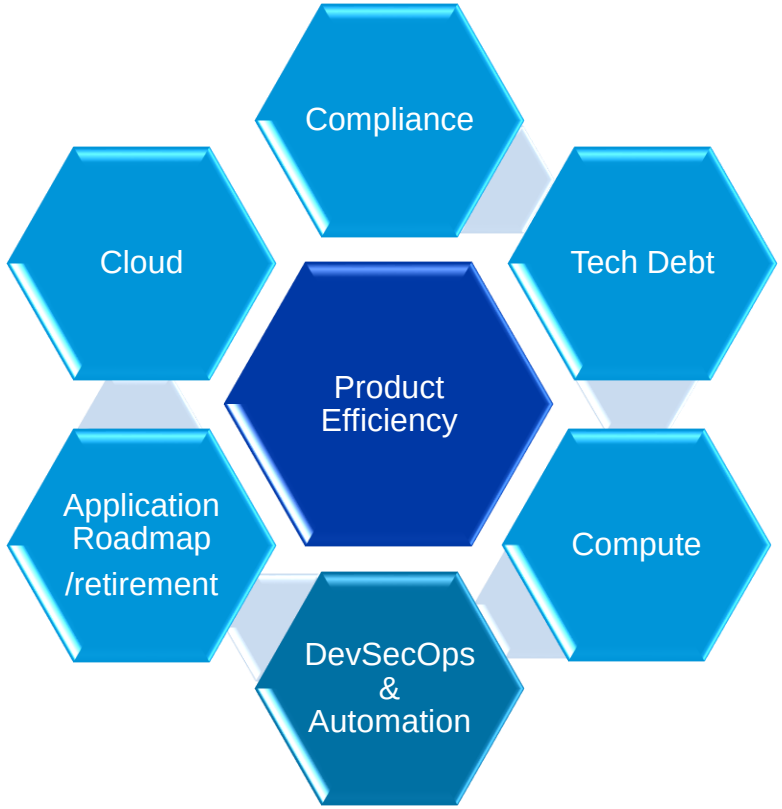
PRODUCT TARGET

Director	Products	# Applications	Total assessments Completed	Product Maturity Level	2023			2024 Target		
					Assessments Complete	Re-assesments Complete	Automation Savings	Assessments	Reassessments	Automation Savings
Jennifer	Summary	**173**	**39**		**16**	**5**	**83007**	27	6	35000
	Regulatory and Safety	26	12	**3.3**	4	1		3	2	
	Research and Technology	10	9	**3.3**	5	2			1	
	Test and Evaluation	48	14	**2.9**	4	2		7	2	
	Non DTPLM	89	4	**2.6**	3	0		17	1	
Tatum	Summary	**425**	**149**		**80**	**17**	**23160**	56	22	35000
	Authoring Process Planning	21	16	**3.5**	10	4		1	2	
	Data Distribution and Management	60	19	**2.9**	1	0		8	3	
	Automation Programming	24	4	**3.2**	0	0		4	1	
	Customer Engineering (CE)	9	0	**NA**	0	0		2	0	
	DT PLM	17	14	**3**	7	6		1	2	
	Electrical Engineering	63	6	**3.4**	0	0		11	1	
	Flight Engineering and Propulsion	132	62	**1.9**	60	0		14	9	
	Mechanical and Structural Engineering	46	6	**2.9**	1	0		8	1	
	Systems Engineering	33	5	**3.7**	0	1		6	1	
	Production System Simulation	1	1	**2.5**	1	0		0	0	
	Visualization and xR	19	16	**3**	1	6		1	2	
Buba	Summary	**166**	**70**		**19**	**7**	**65343**	20	10	35000
	Digital Market Products	54	22	**3.6**	5	1		6	3	
	Customer Operations	24	16	**3.1**	2	1		2	2	
	Technical Publications	59	23	**3.1**	8	5		7	4	
	Training & Other	35	9	**3.1**	4	0		5	1	
Jeff	Summary	**187**	**76**		**14**	**3**	**12760**	27	12	35000
	Automation Programming	26	26	**3.2**					4	
	Innovation Hub			**NA**						
	Material Management	18	9	**3.7**	0	0		2	1	
	Maintenance Repair and Overhaul	24	12	**3.1**	1	1		2	2	
	Integrated Logistics Planning and Management	35	11	**3.4**	1	0		5	2	
	Product Support Analysis	32	7	**3.5**	4	0		5	1	
	Embedded Program Support	78	11	**3.3**	8	2		13	2	
E&PS Summary		**982**	**334**		**130**	**32**	**184270**	**131**	**50**	**140000 Hrs**

BRINGING EFFICIENCY AT PRODUCT

Look ahead

- Focal to work with product team to work on prioritizations and help bring higher product efficiency.
- Upcoming sessions for all mangers and Products manager on detailed overview and 2024 plan
- Sessions on DevSecOps training and upskilling
- Pilot project for DORA Metrics in E&PS.



PROGRESS

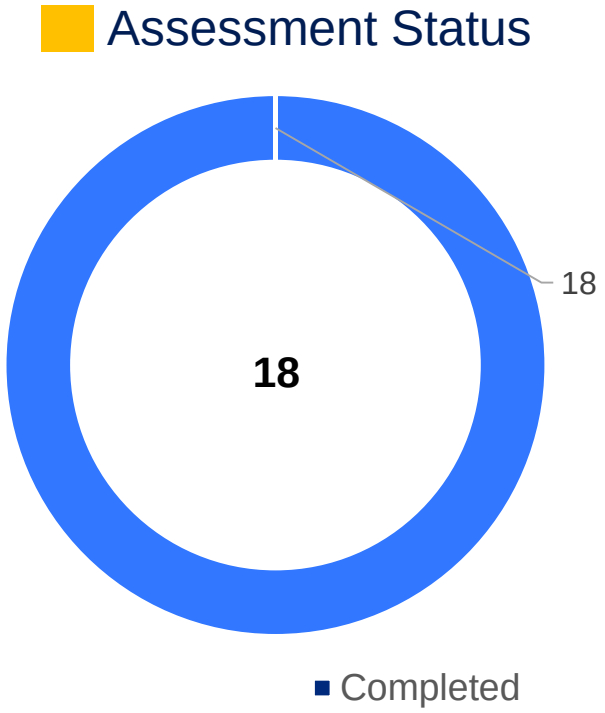
On Track
Watch Item
Off Track

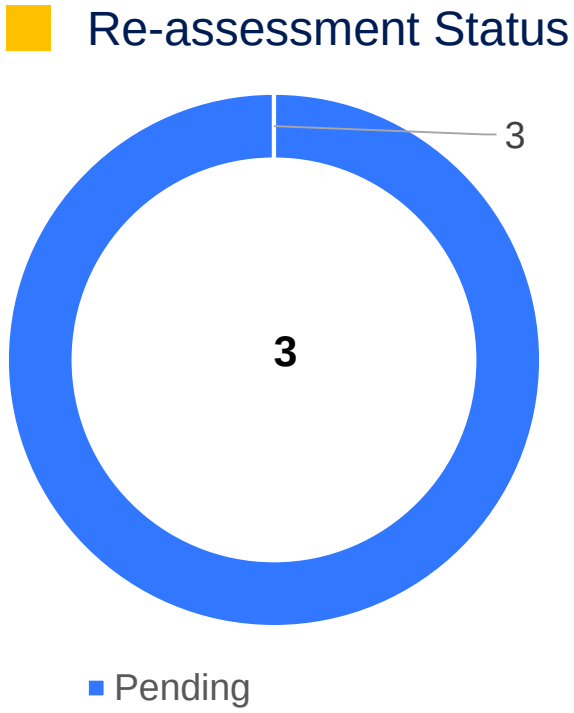
2024 OKR Targets	Q1 Target	Q1 Completed
Complete DSO Assessments for new applications **131 Apps**	30	01
Implementation roadmap for Applications that have completed assessments- **90 Apps**	30	01
Roadmap implementation , Re-Assessment & ROI calculation for 15% Apps with roadmap created: - **50 apps**	10	01 *DSO Improvements pending
Maturity improvement and maintain Score **3.0+**		Maturity Score 3.95

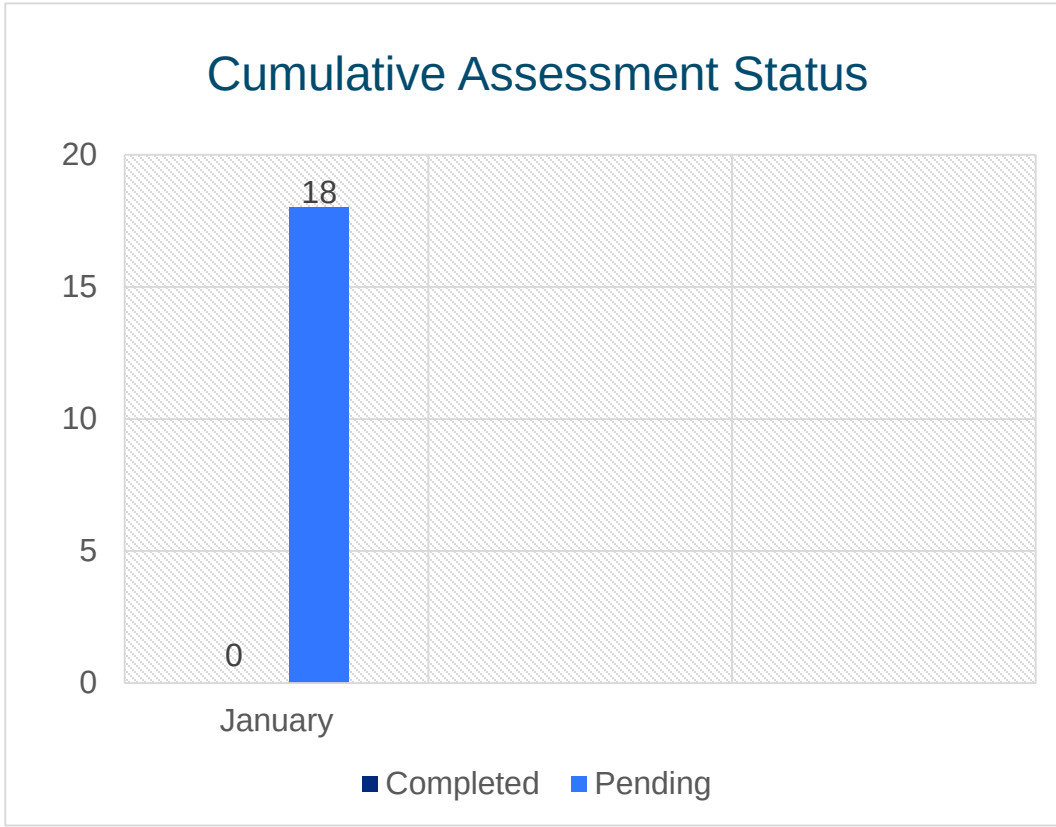
DSO STATUS PER DIRECTOR(TILL JAN 2024)

ENGINEERING PRODUCTS(JENNIFER)

On Track
Watch Item
Off Track





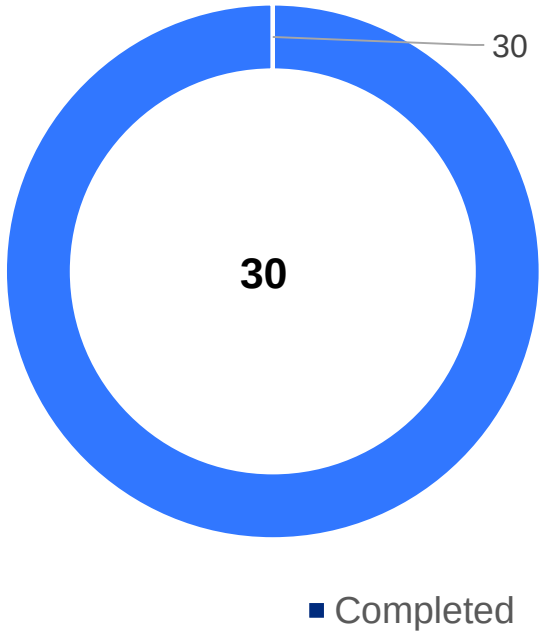


** Reassessment target for 2024 – **6**

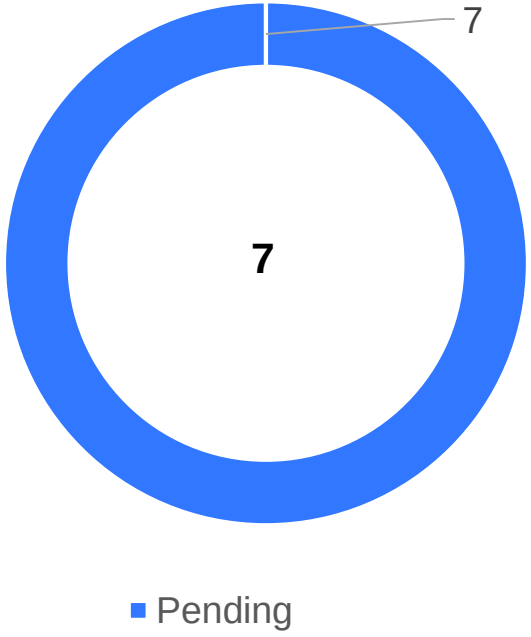
ENGINEERING PRODUCTS (TATUM)

On Track
Watch Item
Off Track

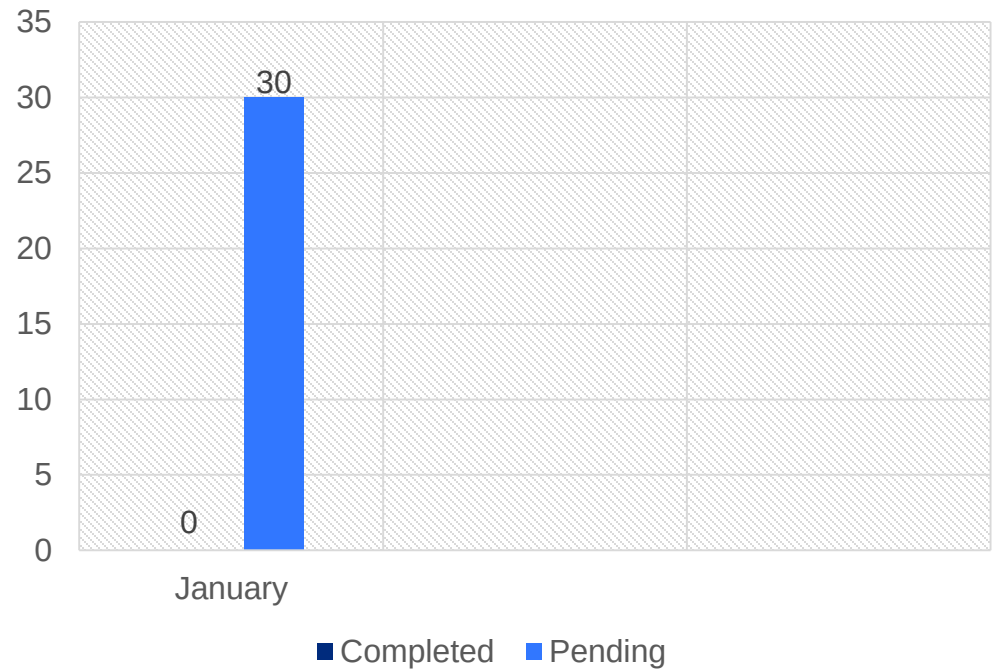
Assessment Status



Re-assessment Status



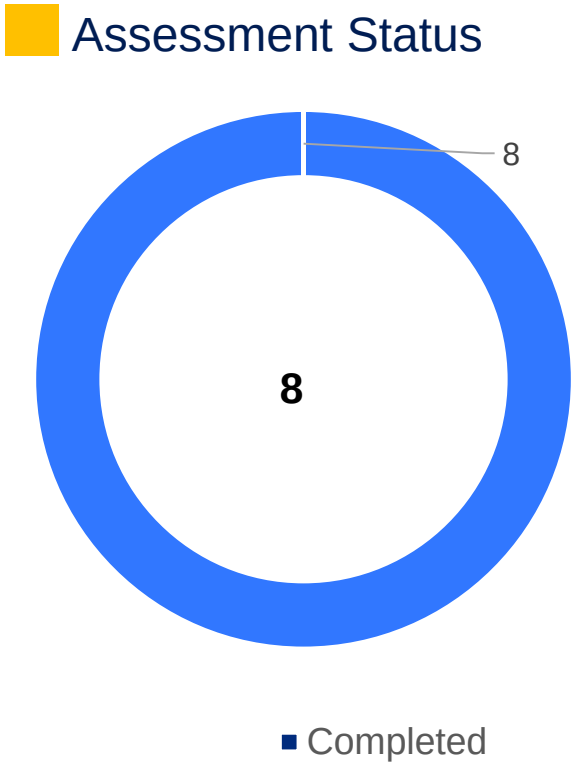
Cumulative Assessment Status

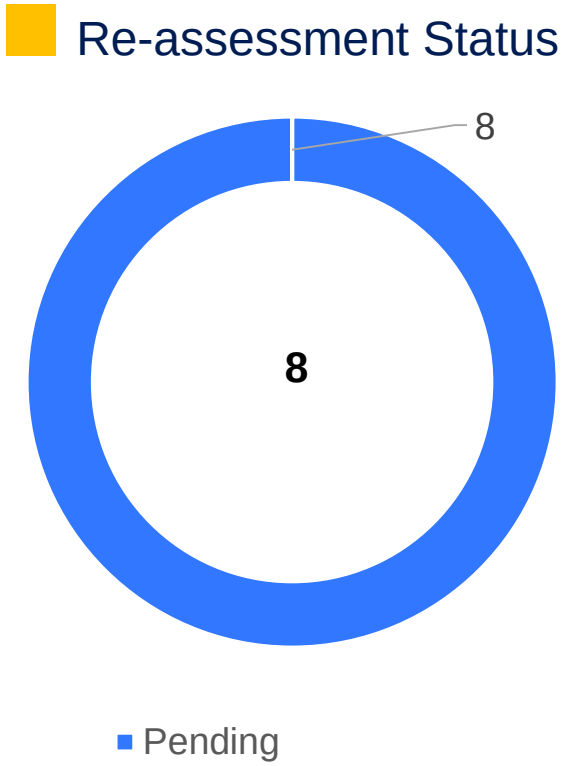


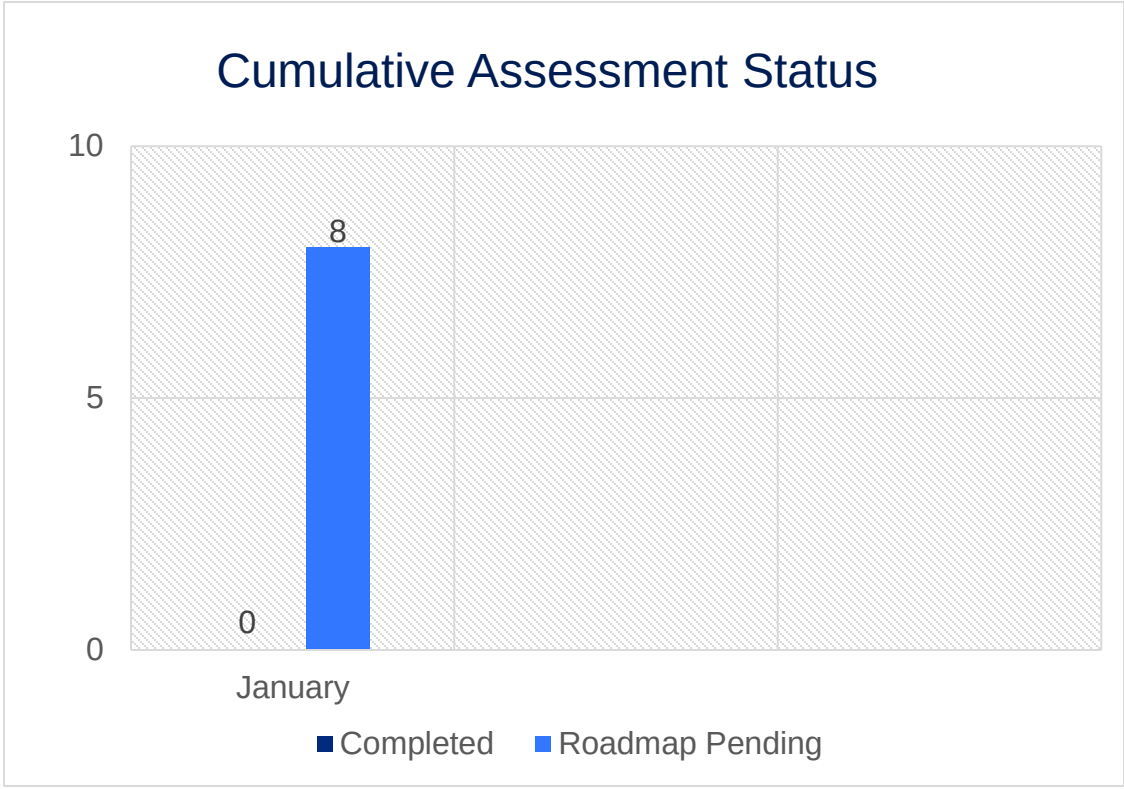
Reassessment target for 2024 – **22

ENGINEERING PRODUCTS (BUBA)

On Track
Watch Item
Off Track





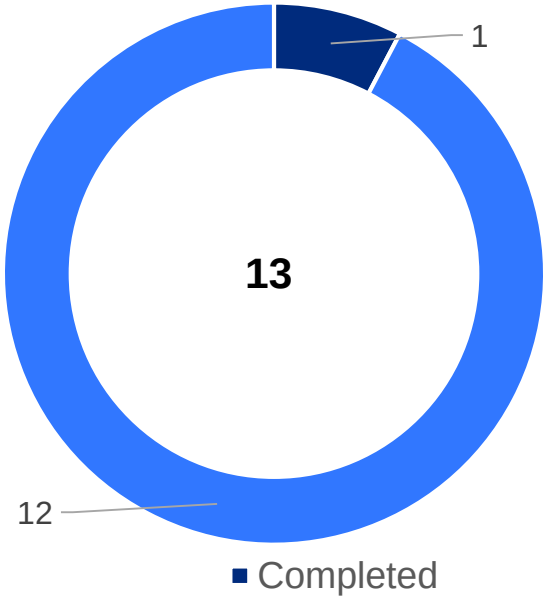


Reassessment target for 2024 – **10

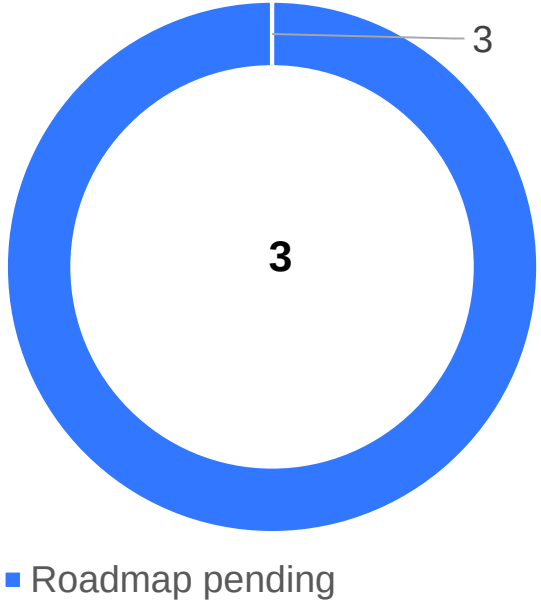
ENGINEERING PRODUCTS (JEFF)

On Track
Watch Item
Off Track

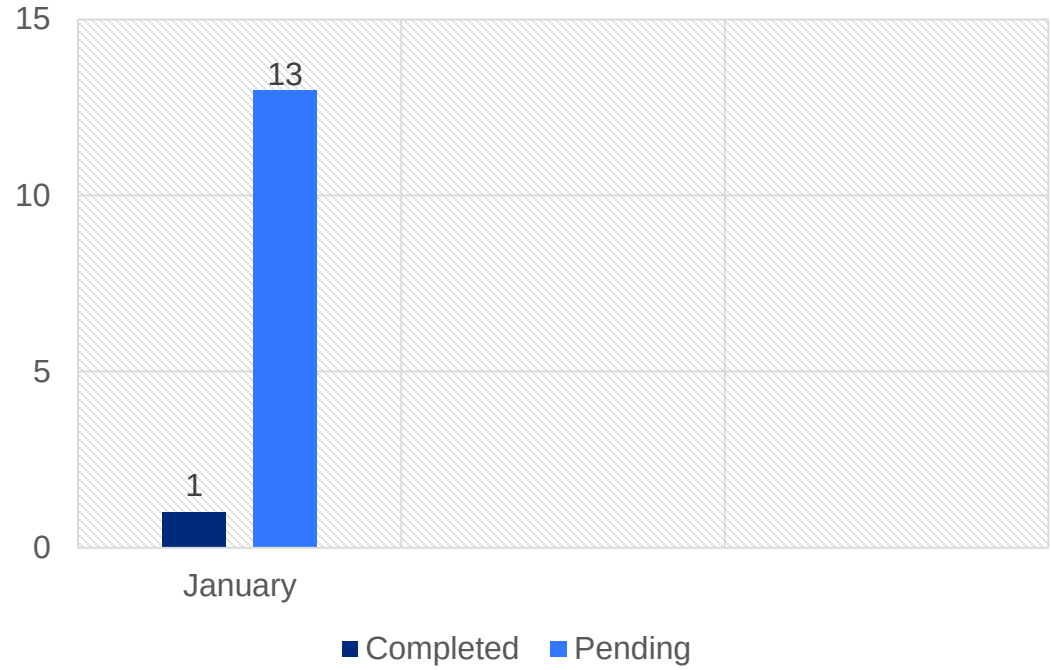
Assessment Status



Re-assessment Status



Cumulative Assessment Status



Reassessment target for 2024 – **12

AUTOMATION PROGRESS

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AUTOMATION 2024

OKR

Implement automation capabilities through out the applications and achieve 140000 automation hours

Objective

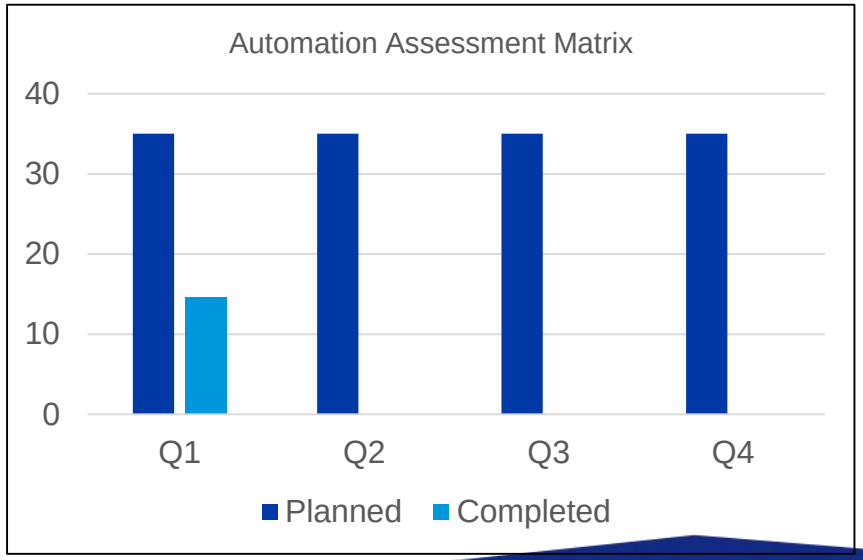
Automate repetitive processes

Capture automation to Return On Investment.

Knowledge sharing and bring culture of Automation

Accomplishments:

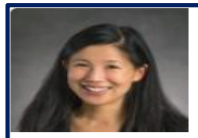
Automation hours of 14689 Hrs has been accounted in the CoP.



AUTOMATION STATUS - 2023

Target: 140k hrs

Current status: 14.6k hrs



Lucia Chung

Engineering and Product Support

Total : **14689** hours

Jennifer Davis

Engineering and Product Support

Status	Saved	Efficiency	Avoided
Complete	-	-	-
In-Work	-	144	-
Backlog	-	-	-
Totals	-	144	-
		144	

Tatum Shannon

Engineering and Product Support

Status	Saved	Efficiency	Avoided
Complete	-	-	8,490
In-Work	-	-	-
Backlog	-	-	-
Totals	-	-	8,490
		8,490	

Buba Turner

Engineering and Product Support

Status	Saved	Efficiency	Avoided
Complete	-	5	-
In-Work	-	6,000	-
Backlog	-	-	-
Totals	-	6,005	-
		6,005	

Jeffrey Stein

Engineering and Product Support

Status	Saved	Efficiency	Avoided
Complete	-	-	-
In-Work	50	-	-
Backlog	-	-	-
Totals	50	-	-
		50	

TRAINING AND REFERENCES

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TRAINING AND SUPPORT

Automation COP
https://devsecops.web.boeing.com/index.html [**DevSecOps Enterprise Website**]

Training:

https://devsecops.web.boeing.com/trainings.html
https://insite.web.boeing.com/culture/viewMedia.do?mediaId=428840
Insite: DevSecOps related video series
Degreed: https://degreed.com/pathway/mpl66o5r9d/pathway
Oreilly: https://learning.oreilly.com/library/view/the-devops-handbook/9781457191381/

Enterprise Support

In case of any queries interested teams can register themselves through EMC (check for the session with the name “DevSecOps Office Hours (India)”).
For Product Teams in US, Click Here to block your slot
For Product Teams in India, Click Here to block your slot

DSO Support Systems	Description	URL
ATOMS	Platform to onboard to some of the commonly used tools like Coverity, Netsparker, SonarQube	https://atoms.web.boeing.com/home
ATOMS-CI	Saves your team time by generating an automated continuous integration pipeline and integrating different tools	https://atoms-ci.web.boeing.com/ci
DevSecOps	Official DevSecOps website	https://devsecops.web.boeing.com/index.html
AppDynamics	Monitoring tool documentation	https://itms.pages.boeing.com/wiki/appdynamics/
Enablement kit	Architecture Checklist to improve maturity	https://devsecops.web.boeing.com/assessment/enablementKit.html
DSO Mattermost channel	Join this channel for any questions/updates	https://mattermost.web.boeing.com/dso/channels/town-square
DSO Consultation	Connect with the experts	DL DSO Consulting
DSO COE InSite Group	Join this group for any questions/updates	https://insite.web.boeing.com/culture/viewGroup.do?groupId=168061
DevSecOps Video Library	Videos on different implementation	https://insite.web.boeing.com/culture/displayGroupMedia.do?groupId=168061

ASSESSMENT PROCESS

DevSecOps Assessment Process Flow (Swimlane)

Please refer to the attached PDF.

GSEP Process for Dashboard Access

Please use the link to get access to the assessment dashboard. This is an auto approval process. Please select the first option for Business Stakeholder group.

Try to access this Dashboard Link after few minutes.

Info center Dashboard Link

Refer attached excel for pending reassessments and assessments.

CONTACT US

	DRI	Project Management	Core Team Focal	Enterprise collaboration
DevSecOps	**Abhishek Singh** **Kenneth C Shew**	**Kolhar Laxmidevi Kumar Anand**	**1. Singh, Abhishek K** **2. Valiyarayil, Siby** **3. Nair, Aathira Manikandan** **4. P, Ashwini** 5. Amaragatti, Sharanappa 6. Balraj, Bharath K 7. Fink (US), Brendan A 8. Ghosh, Subhabrata 9. H D, Sarika 10. Jenkins (US), Renee M 11. Jha, Ravi N 12. K L, Bharath 13. Kandan, Narendran 14. Kaur, Harmeet 15. Kumar, Abhishek 16. Kumar, Rahul 17. Malik (US), Muhammad A 18. Mohiddin Basha, Mahammed Gulam 19. Nadampalli Kumarraju, Lavanya 20. Padmanaban Shunmugam, Nihila 21. Pattanaik, Anup K 22. Popeck (US), John 23. Prabhat, Kumar 24. Prakash, Sumit 25. Radhakrishnan, Chinjumol 26. Rompicherla, Rakesh 27. Rooge, Padma Prasad 28. Singh, Omji Kunjbihari 29. Urimindi, Sreenivasulu 30. Varghese, Jessy **DL Product Systems - DevSecOps Core Team**	1. Sharina Haynes 2. Karthik Tirukkoylur Sekhar 3. Dolly Bhaskara 4. Sushil Mishra 5. Donald R Wellington DL DSO DRIs
Automation	**Kenneth C Shew** **Naga Harsha Kaggallu**	**Priyanka Dhanpal Chougule**		

THANK YOU

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