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Global Webinar for Complementors



May 2024

Complementors Team

Agenda

1. Admin notices
2. Confirmations compliance - Emma Saxton
3. HSM and Digital Tokens – Sudhindra Yapalparvi
4. Alliance Connect Virtual – Gaurav Sabharwal
5. Hackathon - Sophie Tre-Vett
6. Q&A

Admin notices

- This presentation is being recorded
- The content will be published on swift.com (<https://www.swift.com/standards/iso-20022/iso-20022-past-webinars>)
- Global Webinar for Complementors occur the last Thursday of every month and you can register 2 weeks before each event here: [Global Webinar for Complementors](#)
- To ensure you receive communications from us while we remain GDPR compliant please [update your preferences here](#) (you will need to login to / create your free Swift account) to include the interests 'Payments' and/or 'Standards' and we will ensure we keep you informed about:
 - Global webinar for Complementors Invitations
 - Relevant developments on ISO 20022 and Transaction Management
 - Updates from Swift's Market Practice team
 - The latest info on adoption enabling tools and support
- Support requests / queries should be raised via the [Support](#) page

Confirmations compliance

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GPI and the introduction of tracking confirmations

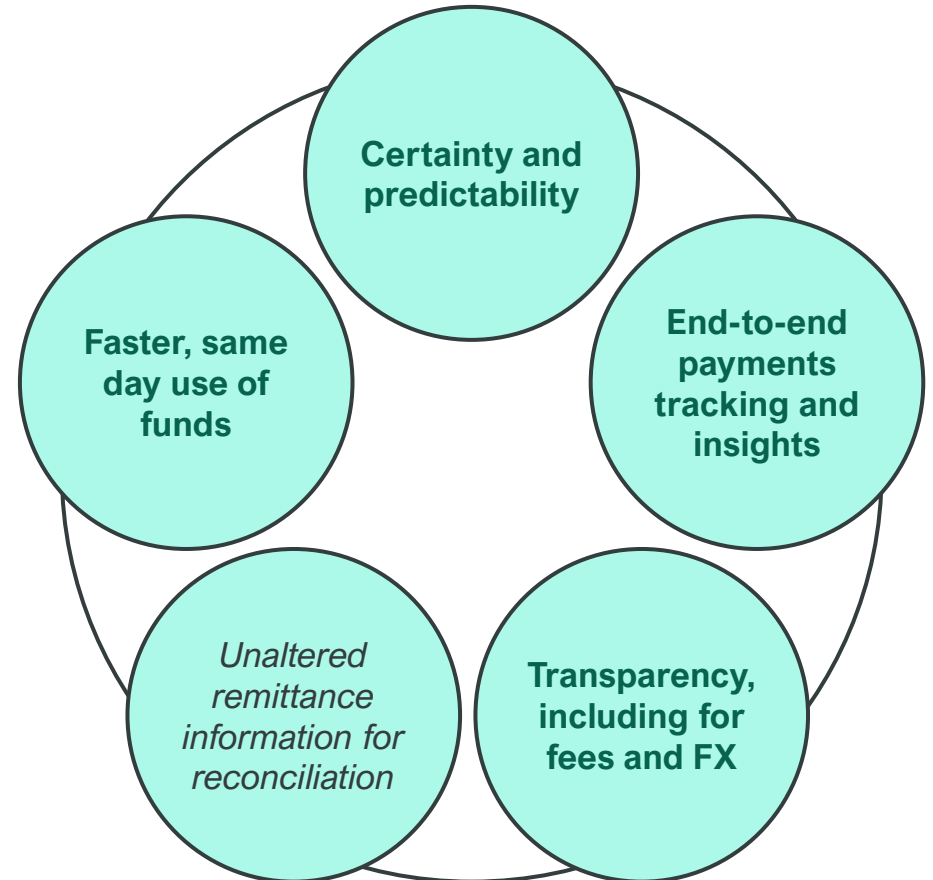
Credit confirmations are vital to driving end-to-end insights and transparency

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In 2017, Swift GPI introduced **multilateral service levels**, with a **common set of business rules** and **use cases** to ensure that participant banks can provide their customers with an enhanced end-to-end user experience.

The GPI tracker provides **more data** for clients, **traceability** of payments, greater **transparency** and **faster movement of money**, leveraging existing technology and rails.

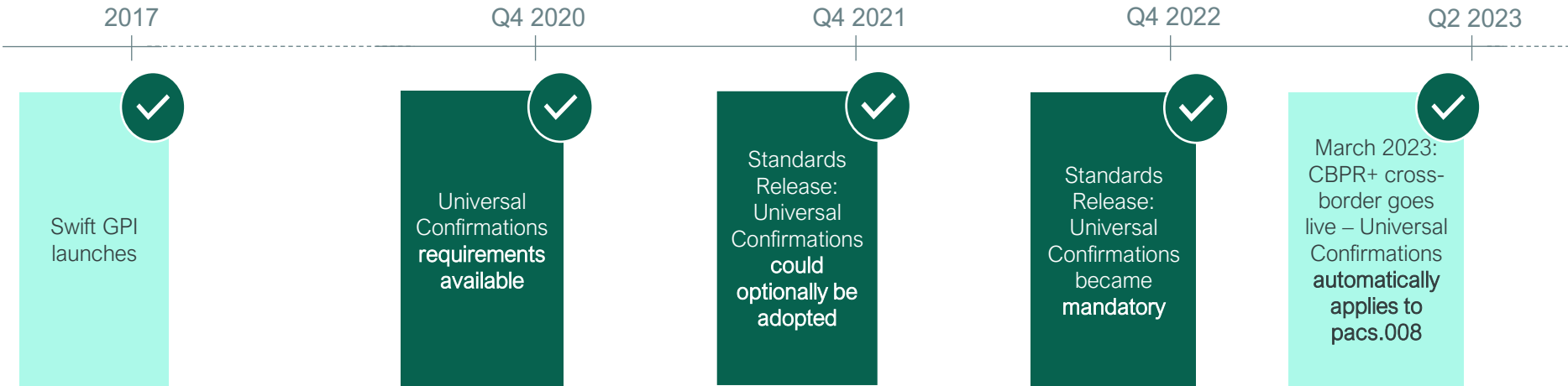
This is underpinned by the mandatory unique end-to-end tracking reference (**UETR**), which is used to match transaction and status information together, and the **provision of status updates and confirmations by participating financial institutions**.



Universal Confirmations historical milestones

As end-to-end tracking became the norm, confirmations were mandated for all customer credit transfers

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- Per Standards Release Universal Confirmations requirements, for **every customer credit transfer received** in-scope institutions need to send a confirmation status to the Tracker.
- Initially this meant that **all MT 103** messages required a confirmation.
- Since the go-live of CBPR+ cross-border, this now also means that **all pacs.008** messages (**including multi-format**) need to be confirmed.
- As the importance of end-to-end transparency and speed continues to increase, we will be working closely with the community to ensure that universal confirmation rates remain high and to improve them where possible.



■ Non-Universal Confirmations milestones ■ Universal Confirmations milestones

Confirmation campaign focus

We are kicking-off a campaign to engage institutions not currently meeting the GPI and Universal Confirmations service level agreement targets for customer credit transfers

Swift GPI for customer credit transfers

- Customers with user category Supervised Financial Institutions (**SUPE**), which have **opted to join GPI**.
- Receiving MT 103 via FIN, pacs.008 via FINplus and PMI legs on Swift.
- GPI Creditor agents must provide credit confirmations / reject confirmations as per the use cases outlined in the Rulebook for Mandatory Services – GPI Customer Credit Transfer and GPI Cover Payments.
- Credit confirmations need to be sent **within 4 hours** of the credit entry on the creditor's account **and no later than the same day** to the Tracker.
- Compliance is monitored at a **BIC 8** level.

Universal Confirmations

- **Mandatory** for customers with **user category** Supervised Financial Institutions (**SUPE**) or Payment Systems Participants (**PSPA**) to comply with Universal Confirmations requirements.
- Receiving MT 103 via FIN, pacs.008 via FINplus and PMI legs on Swift.
- Creditor agents must provide credit confirmations / reject confirmations as per the use cases outlined in the Universal Confirmations rulebook.
- Confirmations need to be sent **in less than two business days** from the Interbank Settlement Date.
- Compliance is monitored at a **BIC 8** level.

Where to find more information on Swift GPI

Shaping the future of faster, smarter, better transactions



[Swift GPI Support Page
\(swift.com\)](https://www.swift.com/support)

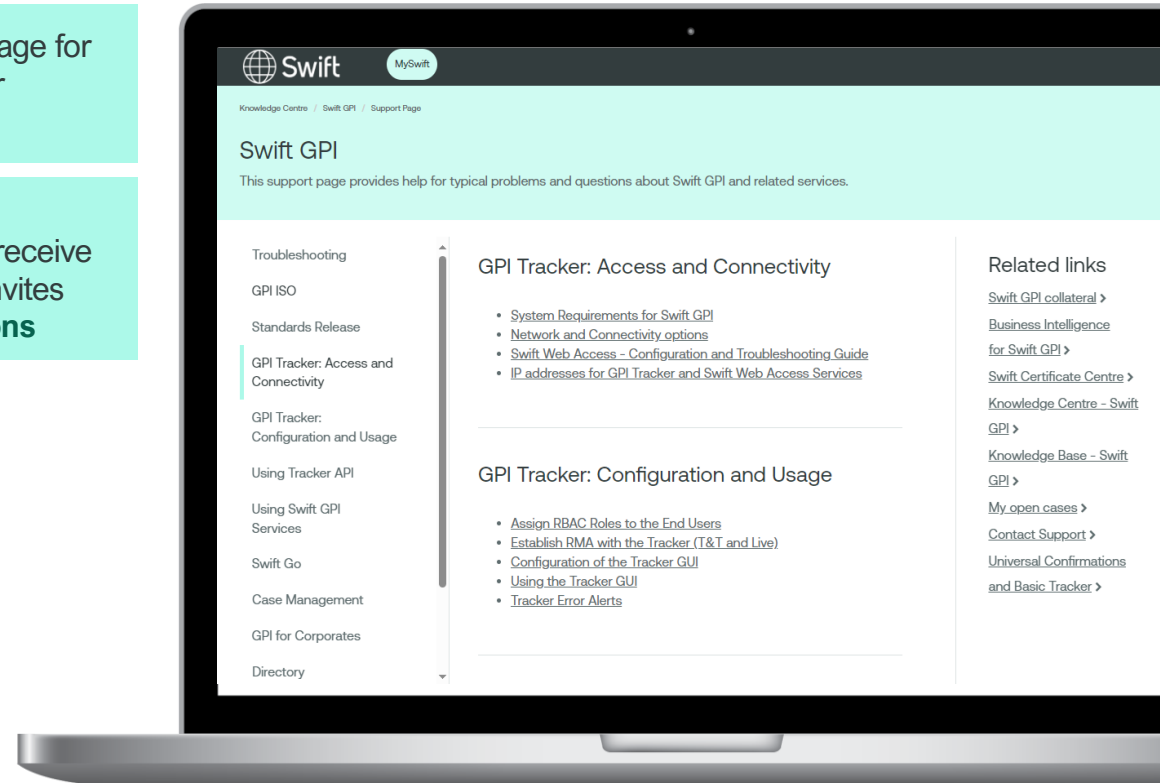
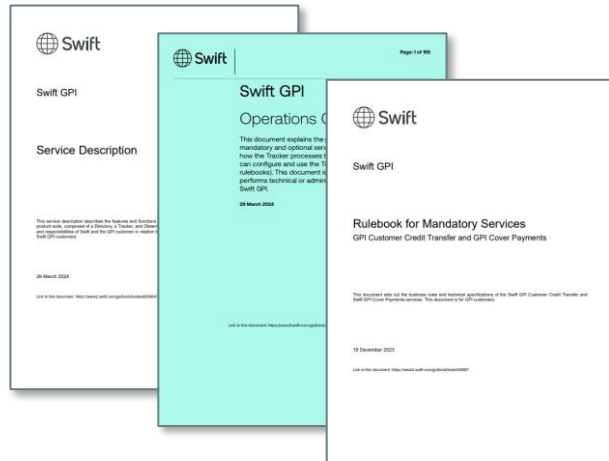
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Visit our dedicated Swift GPI support page for **collateral, training, updates** and other resources



Make sure you have **updated your communication preferences**, so you receive all the latest newsletters and webinar invites for **Payments Challenges and Solutions**



Where to find more information on Universal Confirmations

Shaping the future of faster, smarter, better transactions



[Universal Confirmations Support Page \(swift.com\)](https://www.swift.com/support/universal-confirmations)

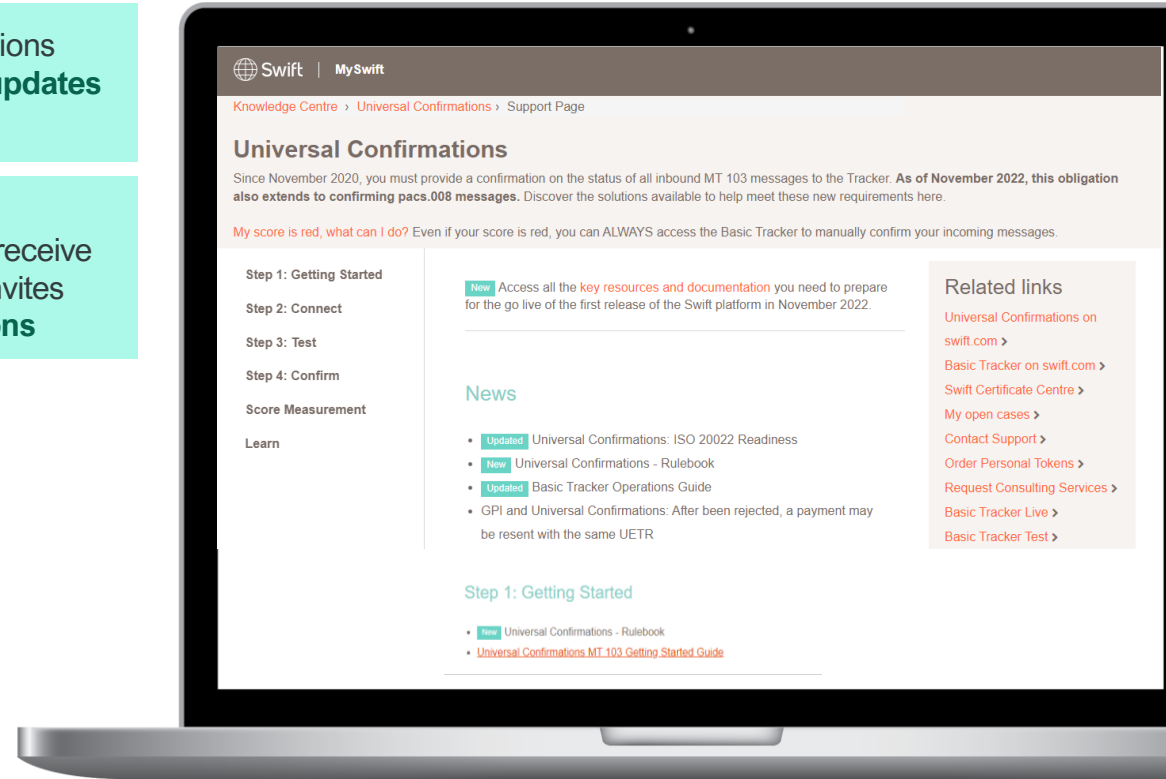
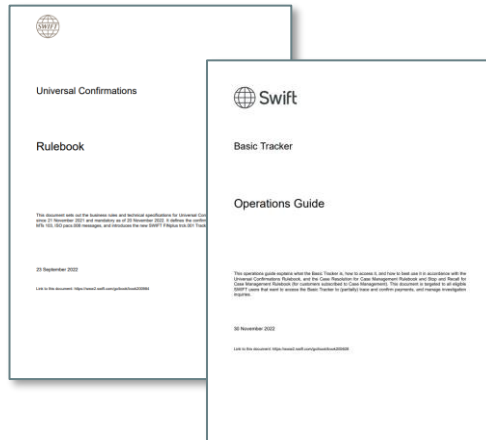
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HSM and Digital Tokens

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Luna SA7 HSM Introduction

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Hardware Security Modules (HSMs) play a critical role in the Swift security architecture. They store customer's PKI certificates used for authentication and signing of data sent and received over Swift.

Why are we replacing the HSMs?

Current HSM boxes must be refreshed to address **end-of-life in 2025**, contractual items and to ensure safe and continuous operations

Luna SA7

- Password-based authentication (PED no longer required)
- Simplified pricing model: Standard and Premium
- Increased capacity: Standard: 500 certs, Premium: 3000 certs
- Naming conventions change, but functionality remains
- Commercially available HSM
- Partition Accounts replace PED user keys
- 75% subsidy incentive



Luna HSM Roadmap

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The New Luna SA7 HSMs is GA

Upgrades to the connectivity products are mandatory to perform the migration

- Swift Net Link and Alliance Gateway 7.7 are available on RHEL and Windows operating systems since Q1 2024
- Swift Net Link and Alliance Gateway 7.7 will release for AIX operating system in Q3 2024

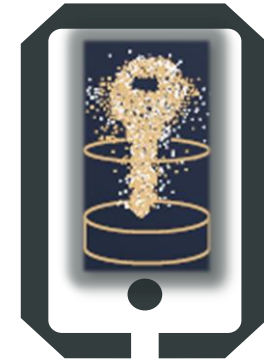
What this means:



- All customers will have nine months from the time the boxes ship to perform the migration
- Customers will be able to submit the entitlement order form on the date communicated and accept the 75% subsidy granted by Swift. Form will be available for up to 6 weeks.
- Project Navigator

Digital Token

Mobile Authentication and Digital Signing as alternative option to current physical token offering.



1Q2025

3SKey is a multi-bank and multi-network personal digital identity solution for corporate users to securely authenticate on-line applications and digitally sign financial messages and files

2Q2025

Swift Net Personal tokens
Swift Net Personal Digital Keys for MV-SIPN U2A flows

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Alliance Connect Virtual

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A growing shift to the cloud

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85%

Firms adopting a cloud-first strategy
by 2025, according to Gartner

66%

The market share of Swift
approved IaaS providers

3000+

Customers leveraging
Swift's SaaS offerings

Why are our customers considering cloud?

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More and more firms
are leveraging its agility
and scalability

Cloud first strategy at company level

Reduce total cost of ownership
by minimising infrastructure,
maintenance and resources costs
without compromising on security
and availability

End of data centre contracts

Customers without a data centre
and limited Swift knowledge or
expertise expect SaaS and IaaS
solutions from Swift

Latest cloud-based back-office applications

Customers with their back-office purely
on cloud require Swift VPNs deployed
on public cloud without hardware
requirements

Disaster-recovery capabilities in the cloud

Customers lacking Swift operational
expertise want to minimise involvement
in operating Swift infrastructure

Difficulty to access data centre for maintenance activities

Banks can run operations across
the world without having to access
data centres

Swift Cloud Offering

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Swift's public cloud deployment

An overview

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Infrastructure as a Service (IaaS)

Public cloud deployment

Hosting in the public cloud
of the Swift messaging
and connectivity software

SDK/MGW

Alliance
Access

AMH

Alliance
Warehouse

Swift messaging and
connectivity software
managed and operated
by the customer

SNL/SAG

Alliance Lite2
(AutoClient)

AGI

Alliance Cloud
(SIL/MGW/SDK)

Alliance Connect Virtual to
connect to Swift network
from the public cloud

VPN
Alliance Connect Virtual

Alliance Connect Virtual
managed and operated
by Swift



Cloud providers provide
cloud environment for
the deployment of the
Swift components







Alliance Connect Virtual

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Alliance Connect Virtual

Deploy your Swift VPNs virtually on public cloud infrastructure

Features

-  Connect to Swift from VPNs deployed on public cloud
-  Available in bronze, silver, gold i.e. choice of internet or leased line connectivity
-  Managed by Swift
-  Network partner leased line connectivity included

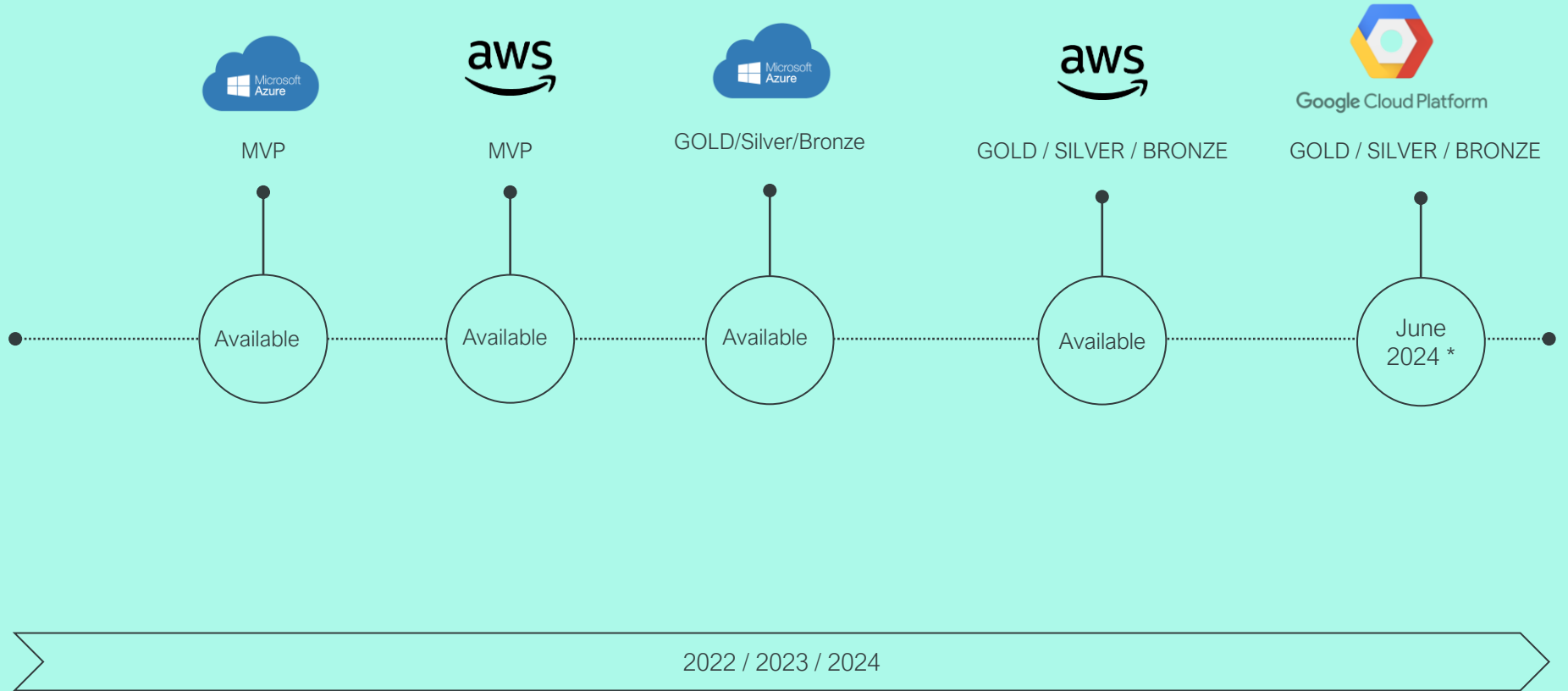
Benefits

-  Secure and reliable
-  Ease of deployment
-  Ease of management and monitoring
-  Faster time to market
-  Global availability
-  Simpler monthly fee model

Alliance Connect Virtual

General availability timeline and where to get more info

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*MVP: Single VPN instance connecting via internet, ** Tentative, pending successful qualification
Leased line bandwidth up to 2Mbps *except ESMIG/TIPS, Webserver, AU-NPP
Higher bandwidth support planned Q3 2024

Key customer considerations

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Customer adopting public cloud for Swift solution implementation shall carefully define the cloud deployment strategy with key elements of security, resiliency performance into consideration

Security



- Business applications
- User access controls & monitoring
- End-to-end deployment architecture
- CSP adherence & attestation

Resiliency



- Multiple connectivity packs
- Multi cloud & intra-cloud zones setup
- Disaster Recovery mechanism
- Hardware based connectivity backup

Performance



- Solution design – Full/Hybrid
- Latency measurement
- End-2-end connectivity
- Resources availability & scalability

Cloud provider selection



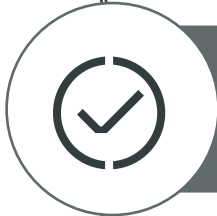
- Choice from three(3) cloud providers (Azure, AWS , GCP)
- Deployment ease & reliance
- Geographical presence & operational ease
- Local/ industry regulatory compliance

Conclusions

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Connect your cloud- native back-office applications to any of the Swift's infrastructure, including ITB



Leverage the Agility of ACV for standard release and certification testing



Support customer's strategy to move to public cloud with ease

Need further information – reach out to your account manager!

Swift Hackathon 2024



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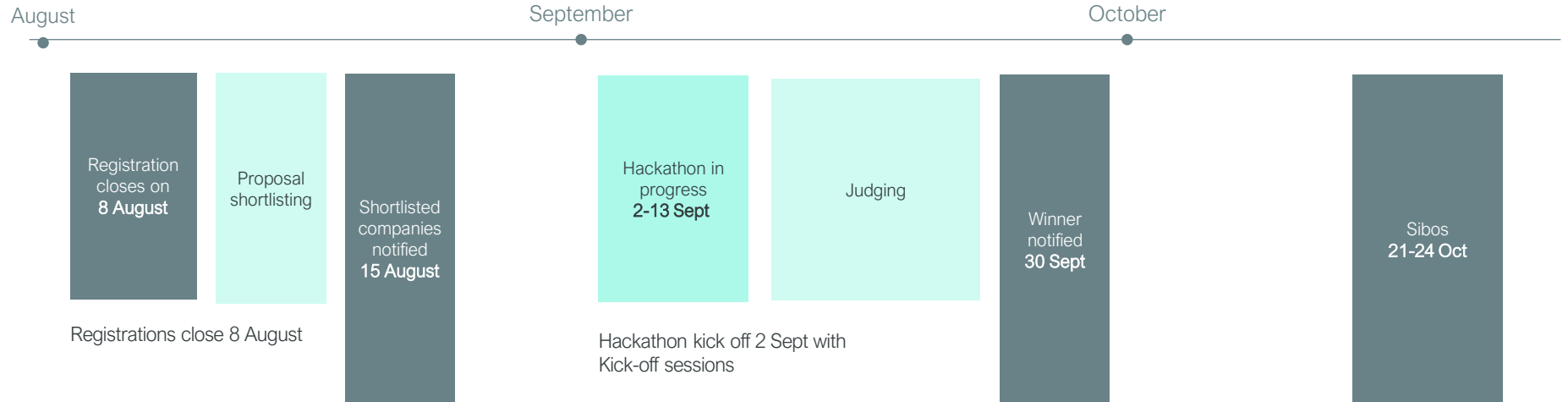
The hackathon is a great opportunity for leading industry players from across the globe to showcase their best-in-class innovations.

The winners and runners up will get the unique opportunity to present their solutions to industry leaders at Sibos in October.



Timeline - Activities and key dates

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Teams registering will need to **submit a proposal of their solution.** 5 teams will be shortlisted to move onto the Hackathon stage

The shortlisted **teams will have a 2 weeks to create a pitch** and demo their prototype for the hackathon submission.

There will be two finalist, who will have the opportunity to present their solution at Sibos.

Interested in taking part?

Watch this space, we will be launching this year's theme and opening registrations in **late June**

You can find out more on our previous hackathons and the winners by visiting our Innovation page: [Innovate with us | SWIFT](#)

If you have any questions about taking part, please reach out to Sophie.Tre-Vett@Swift.com

Questions

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or raise a case via the **Support** page