



SWIFT gpi

Delivering the future of
cross-border payments,
today



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Delivering the future of cross-border payments, today

SWIFT is an innovative technology company. As an industry cooperative, we listen and respond to the evolving needs of our Community. Part of our core mission is to bring the financial community together to work collaboratively to shape market practice, define standards and debate issues of mutual interest.

Innovation is an ongoing process, and through our R&D programmes and initiatives such as SWIFTLab, Innotribe, and the SWIFT Institute, SWIFT is ideally placed to offer insights into the future of global financial technology and work with our Community to make real world change really happen.

SWIFT global payments innovation (gpi) dramatically improves the customer experience in cross-border payments by increasing the speed, transparency and end-to-end tracking of cross-border payments.

Over 90 leading transaction banks from Europe, Asia Pacific, Africa and the Americas are already signed up and more are expected to join.

Thousands of cross-border payments are today being sent using this new gpi standard, bringing immediate benefits to gpi banks and their corporate customers.

In its first phase, SWIFT gpi focuses on business-to-business payments. It is designed to help corporates grow their international business, improve supplier relationships, and achieve greater treasury efficiencies. Thanks to SWIFT gpi, corporates can today receive an enhanced payments service from their banks, with following key features:

Faster, same day use of funds*

Transparency of fees

End-to-end payments tracking

Remittance information transferred unaltered

SWIFT gpi functions on the basis of 'business rules' captured in multilateral service level agreements (SLAs) between participating banks. The innovative new service is designed to address end-customer needs without compromising banks' abilities to meet their compliance obligations and market, credit and liquidity risk requirements. It operates on SWIFT's secure and resilient global platform; and participation is open to any supervised financial institution (SWIFT Group 1 category) that agrees to comply with its business rules.

* within the time zone of the receiving gpi member

At Citi, we welcome the launch of SWIFT gpi – we see this as a key initiative in evolving how cross-border payments are transacted. The time is right for the industry to embrace this initiative and come together to affect meaningful change in payments that we believe will significantly enhance the experience that we deliver to our clients.

Mark McNulty

Global Head of Financial Institutions Payments and Clearing, Citi Treasury and Trade Solutions

As an early member of SWIFT gpi, Bank of China successfully completed the gpi pilot and was one of the first banks to go live. We genuinely saw the enhanced client experience in cross-border payments brought by SWIFT gpi. Indeed, the rapidity of the first live payment – from sending the payment instruction to when our client received the credit confirmation SMS – was remarkable. We are also pleased to see that, through collaboration, innovation and continuously enhancing and expanding the project scope, SWIFT gpi is offering a new universal cross-border payment service, which is in line with the trend in payment business development and is strongly supported by the global community.

Shangbin Sun

Deputy General Manager, Clearing Dept, Bank of China

90+ member banks sending payments into more than 224 countries and territories; representing over 75% of all SWIFT cross-border payments

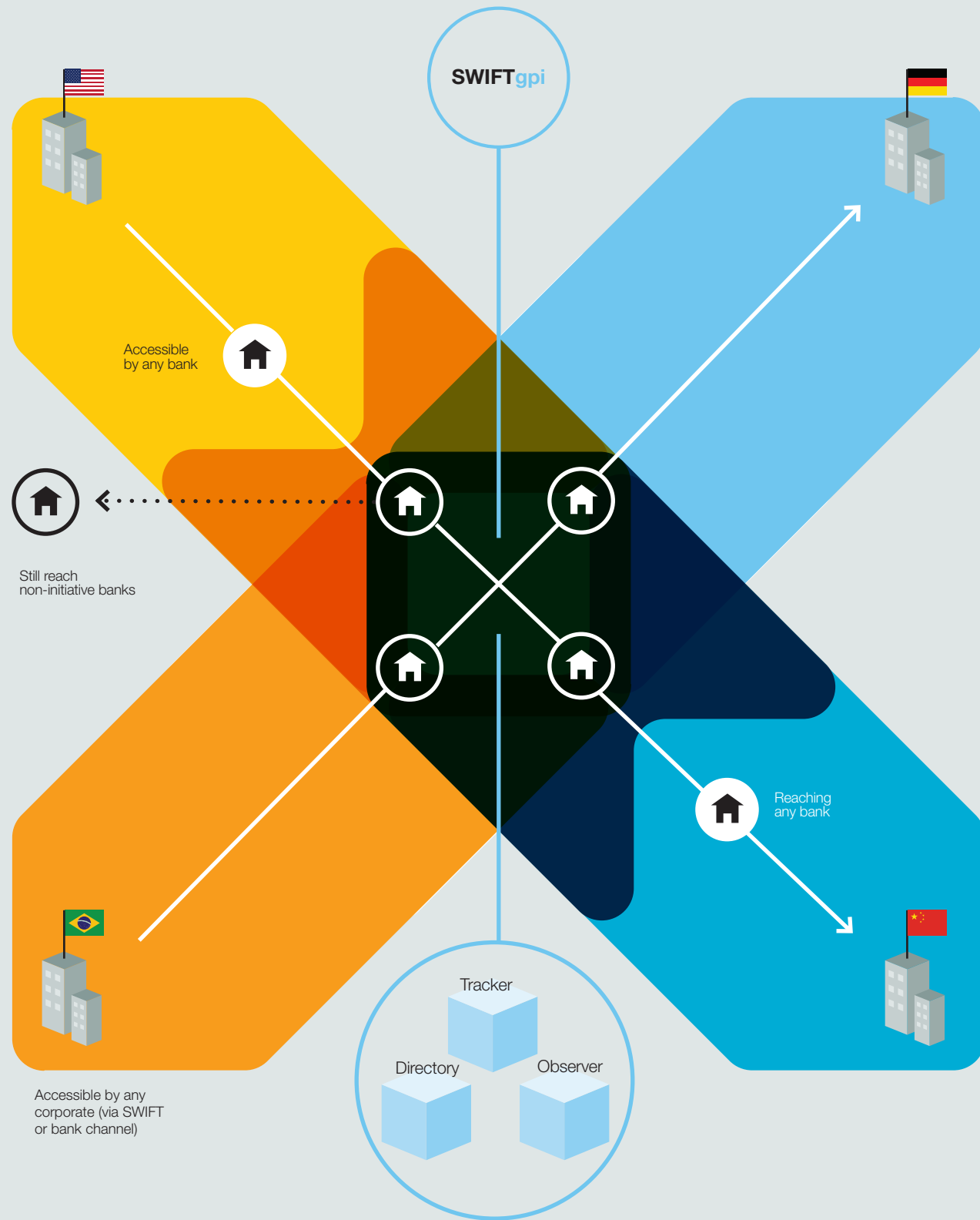
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| 3. Alfa-Bank | 49. Industrial and Commercial Bank of China* |
| 4. Australia and New Zealand Banking Group* | 50. ING Bank* |
| 5. Axis Bank | 51. Intesa Sanpaolo* |
| 6. Banco Bilbao Vizcaya Argentaria | 52. Intl. FCStone |
| 7. Bangkok Bank | 53. Investec |
| 8. Bank of America Merrill Lynch* | 54. Itaú Unibanco |
| 9. Bank of China* | 55. JPMorgan Chase Bank* |
| 10. Bank of New York Mellon* | 56. Kasikornbank |
| 11. Bank of Nova Scotia | 57. KBC Bank |
| 12. Bank of the Philippine Islands | 58. KEB Hana Bank |
| 13. Bank of Tokyo-Mitsubishi UFJ* | 59. Lloyds Bank |
| 14. Banco Bradesco | 60. Mashreq Bank |
| 15. Banco Santander | 61. Maybank |
| 16. Banco de Crédito del Peru | 62. Mizuho Bank* |
| 17. Banco do Brasil | 63. National Australia Bank |
| 18. Banco Mercantil del Norte | 64. Natixis |
| 19. Banque Européenne d'Investissement | 65. Nedbank |
| 20. Barclays* | 66. Nordea Bank* |
| 21. Bidvest Bank | 67. Oversea-Chinese Banking Corporation |
| 22. BNP Paribas* | 68. PKO Bank Polski |
| 23. Budapest Bank | 69. Promsvyazbank |
| 24. CaixaBank | 70. Rabobank |
| 25. Canadian Imperial Bank of Commerce | 71. Raiffeisen Bank International |
| 26. China Construction Bank | 72. Resona Bank |
| 27. China Merchants Bank | 73. Royal Bank of Canada* |
| 28. Citibank* | 74. Royal Bank of Scotland |
| 29. Commonwealth Bank of Australia | 75. Sberbank |
| 30. Commerzbank | 76. Siam Commercial Bank |
| 31. Crédit Agricole | 77. Silicon Valley Bank |
| 32. Crédit Mutuel-CIC Banques | 78. Skandinaviska Enskilda Banken |
| 33. Credit Suisse | 79. Société Générale |
| 34. CTBC Bank | 80. SpareBank 1 |
| 35. Danske Bank* | 81. Standard Bank of South Africa |
| 36. DBS Bank* | 82. Standard Chartered Bank* |
| 37. Deutsche Bank | 83. Sumitomo Mitsui Banking Corporation* |
| 38. DNB Bank | 84. Swedbank |
| 39. Ecobank | 85. Tadhamon International Islamic Bank |
| 40. E.Sun Commercial Bank | 86. TMB Bank |
| 41. Erste Group Bank | 87. Toronto-Dominion Bank |
| 42. Fifth Third Bank | 88. UBS |
| 43. FirstRand Bank | 89. U.S. Bank |
| 44. Handelsbanken | 90. UniCredit* |
| 45. Helaba Landesbank Hessen-Thüringen | 91. United Overseas Bank |
| 46. HSBC Bank | 92. Wells Fargo* |

* Banks that participated in the 2016 pilot



The Concept

Global reach

Provided by core transaction banks using an open model

Smart collaboration

Optimising business processes and reducing costs

SLA rulebook

With customer at centre of value proposition

Embrace innovation

Exploring new technologies

The Benefits

Faster, same day use of funds
(within the time zone of the receiving gpi member)

More efficient and more clarity on fees

Secure and compliant

End-to-end payments tracking

Unaltered remittance information

Open and inclusive, offering global reach

The Complete Package

Tracker

Get visibility on where a payment is and confirmation of its credit in real time

Directory

A complete listing of all gpi members and their capabilities

Observer

A global view of gpi banks' adherence to the gpi SLAs

Services

gpi members can access a dedicated member-zone, including all technical & commercial documentation, and a SWIFT certification service

The Tracker

End-to-end payments tracking

In today's world, customers expect greater transparency. When they send a payment, they want to know what is happening with it and when it has been received. Until now, this has not been the case in cross-border payments as each bank has only been able to guarantee and share information on its own leg of the payment.

Now SWIFT gpi enables banks to provide end-to-end payments tracking. SWIFT has developed a Tracker database 'in the cloud' securely hosted at SWIFT, to give end-to-end visibility on the status of a payment transaction from the moment it is sent until it is confirmed.

SWIFT gpi banks are able to log in to the Tracker to instantly check the status of the payments they have sent, those in progress and those that have been received. They can even improve their liquidity management by having visibility on initiated payments that are already on their way.

The Tracker can be updated by FIN message or via API. It can be accessed via a graphic user interface (GUI) and also via API calls to allow the service to be embedded in other back-office systems.

SWIFT gpi

SWIFT gpi

Benefits for banks

Reduce operation costs and time spent on investigations

Reduce front office costs on customer calls/complaints

Rapidly investigate claims of non-receipt

Offer new innovative services to customers

Provide a better end-to-end service to clients

Benefits for corporates

Track important payments

Get confirmation that the payment was credited on the account of the beneficiary

Easily reconcile payments and invoices

Speed up supply chain and reduce risk; release goods as soon as payment is sent

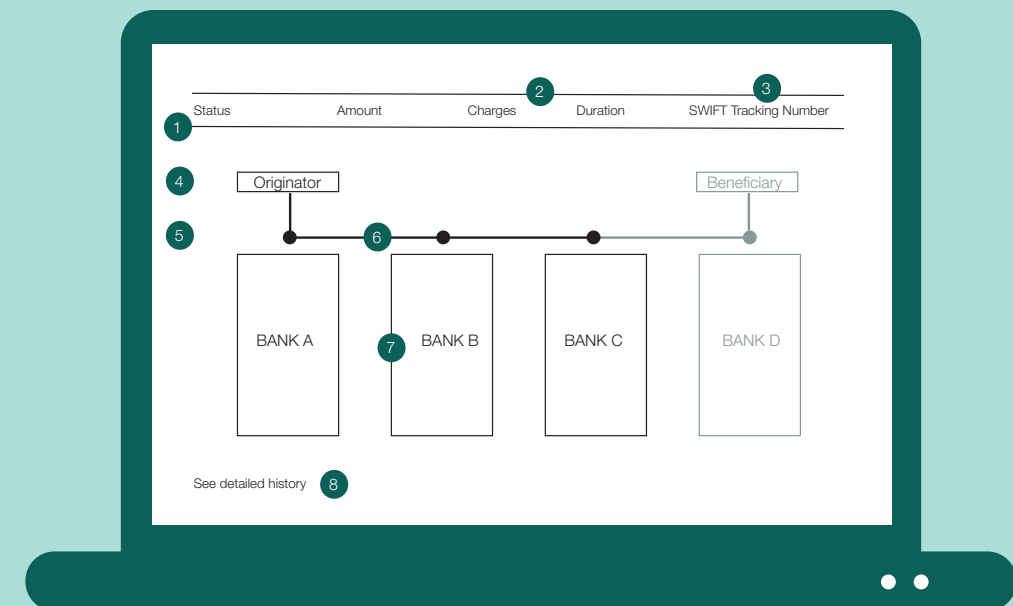


By enabling gpi payments to be tracked using a payment Tracker, we bring in predictability and confirmation for a cross border payment, which is a fantastic initiative as it allows for better management of commercial payments. Standard Chartered is a leading cross-border payments correspondent bank and we believe this initiative will benefit our correspondent banking clients substantially in efficiently managing their payments and receipts.

T S Shankar

Head of Payments and Liquidity Products,
Correspondent Banking, Standard Chartered

The Tracker



1. One glance' status overview
2. Transparency of total fees and time
3. Unique end-to-end transaction reference (UETR)
4. Bank access via MT 199/GUI/API
5. In the cloud – hosted at SWIFT
6. Real time tracking
7. Details of banks along the path
8. Details – references to MTs

The Observer

A global view of banks' adherence to the SLA

In order to enhance cross-border payments, SWIFT has created a new service level agreement (SLA) rulebook. This provides the opportunity for enhanced business practices and smart collaboration between participating banks. To monitor adherence to this new SLA for all members, SWIFT has created a central service called the Observer.

All gpi banks will have a global view of other gpi banks' adherence to the gpi SLAs. This will enable gpi banks to quickly pinpoint potential areas for improvement and work collaboratively towards a better implementation of the SLA.

SWIFT gpi

SWIFT gpi

Benefits

Ensures quality in the gpi initiative

A central updated resource for all banks involved in the initiative

Identification of targeted areas for improvement

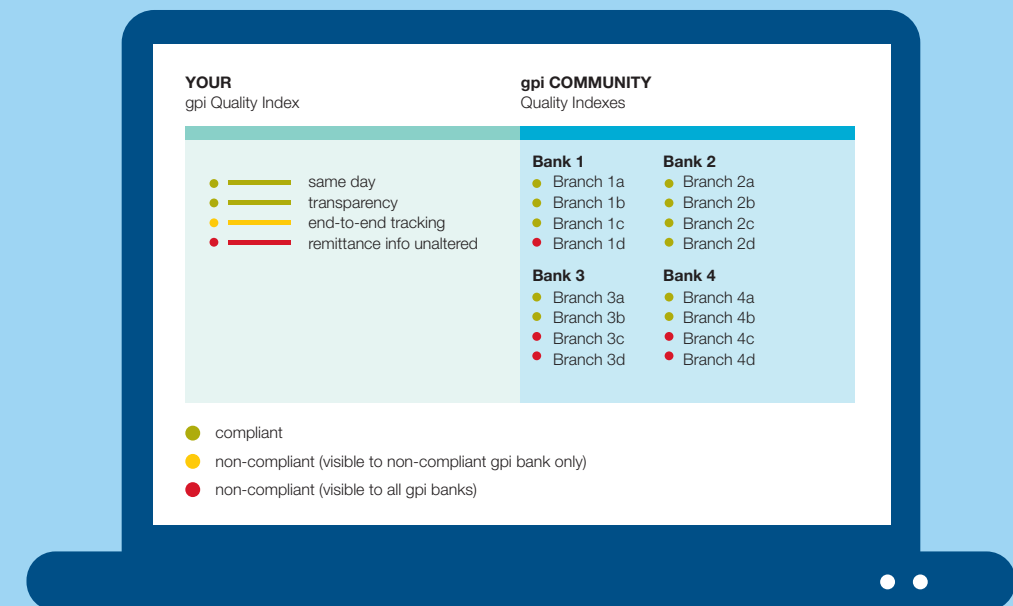


All gpi member banks are committed to the gpi cause. Such commitment being fundamental to its success, we also agreed to have our adherence to the SLA and business rules monitored through a “gpi Observer”, a clear proof of this commitment.

Manu Legein

Head of Business Development Management,
Payment Solutions Corporates, KBC

The Observer



Payments market infrastructures play a key role in the journey of a cross-border payment. As soon as an international payment reaches a domestic or regional market, market infrastructures typically come into the picture for local clearing and settlement. SWIFT is therefore actively working with payments market infrastructures to ensure compatibility with the SWIFT gpi payment specifications and to ultimately achieve global interoperability between domestic and cross-border payments services.

From their side, market infrastructures want to be compatible with SWIFT gpi to offer their member community access to an enhanced cross-border experience, and position their strategic initiatives in this particular area.

Market infrastructures that use SWIFT technology (FinCopy) and standards already support the SWIFT gpi experience. For others, best market practices to map domestic formats on to cross-border gpi standards can be defined in collaboration with SWIFT, in particular for market infrastructures that are based on or plan to adopt ISO 20022.

Benefits for market infrastructures

Facilitate the seamless transmission of gpi payments between the cross-border and domestic markets

Lower the barrier of entry for members to access an improved cross-border payments experience

Leverage SWIFT gpi platform for future innovations

Benefits for gpi members

Ensures the smooth clearing of gpi payments between gpi member banks

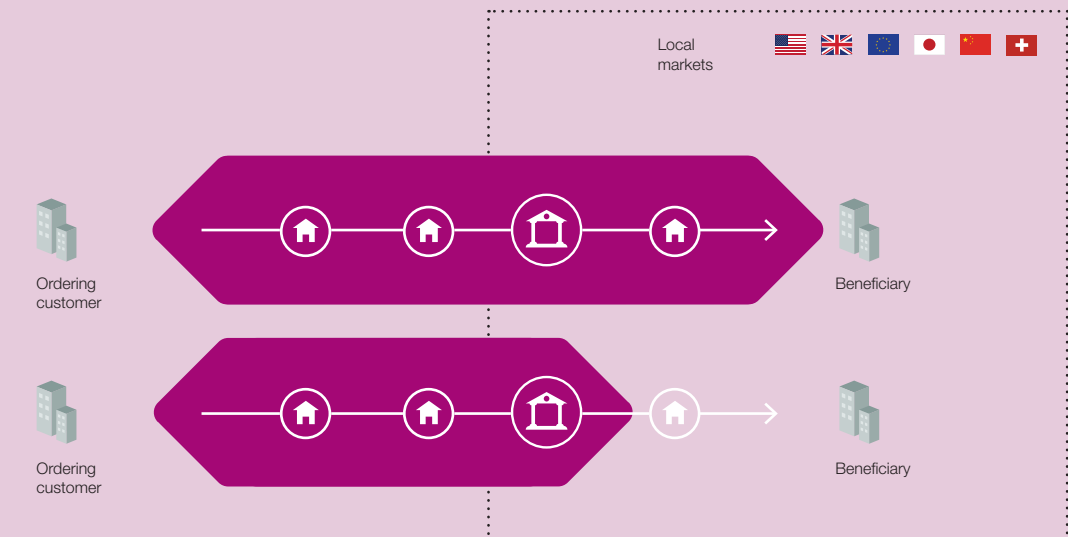
Allows for the tracking of a gpi payment up until the local beneficiary bank


Strengthens the value proposition for customers as gpi payments can be sent through multiple channels



Support from the market infrastructure community is a key factor for success. Taking a standardised approach to identifying gpi transactions in these local clearing systems will reduce fragmentation and costs for banks. We look forward to working more closely with market infrastructures as the industry realises its goal for faster, more transparent and traceable cross-border payments.

Harry Newman
Head of Banking, SWIFT





Roadmap for the future

The first phase of SWIFT gpi is focused on improving the speed, transparency and end-to-end tracking of cross-border payments by delivering a solution in the short-term.

Meanwhile, in collaboration with banks and corporates around the world, a strategic yet pragmatic roadmap has been identified, to develop additional optional payments services to deliver further value in the near future.

That second phase of SWIFT gpi will enable the digital transformation of cross-border payments, by allowing banks to:

- Immediately stop and recall a payment, no matter where it is in the correspondent banking chain.
- Transfer rich payment data along with the payment, with the item data necessary for payments compliance checks or line details; to enhance the reconciliation with invoices.
- Use an international payment assistant at origination, to further increase the straight-through-processing rate of cross-border payments.

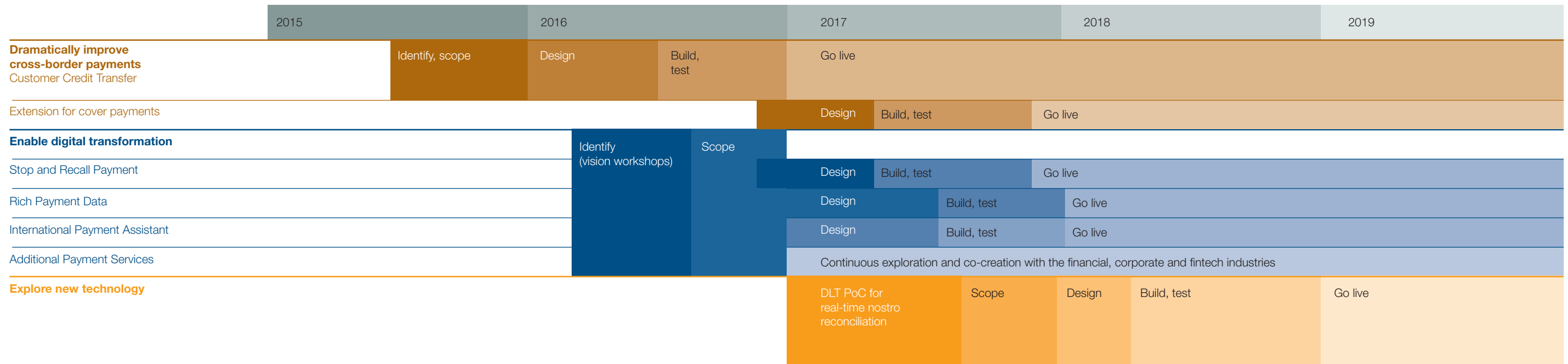
In parallel, SWIFT gpi is exploring the potential of using new technologies such as distributed ledger technology and blockchain, in the cross-border payments process.

The Roadmap

In future SWIFT gpi phases, further services will be deployed for adoption by members

SWIFT gpi

SWIFT gpi

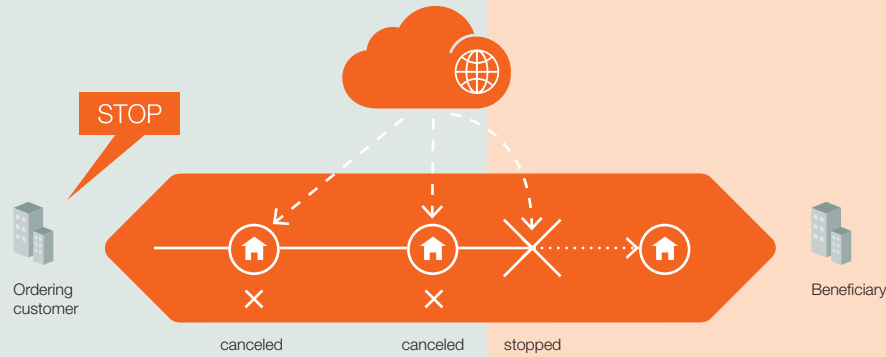


The first phase of SWIFT gpi is focused on improving the speed, transparency and end-to-end tracking of cross-border payments. There are, however, additional opportunities to enhance customer convenience and cut bank costs that will quickly be addressed in the next phases of SWIFT gpi.

These services will provide an enhanced experience through new shared digital services and technologies.

Stop and Recall Payment

Sometimes a payment needs to be stopped. For example: in case of fraud, or when a duplicate payment has been erroneously sent. Today, banks send a request for cancellation by following the same route of the payment, i.e. from one bank to the next, chasing the payment already on its way. The ability to immediately stop a payment, at any point in the payment chain, would be of great value. With the SWIFT gpi Stop and Recall Payment service, banks will be able to stop a payment instantly, regardless of where it is in the payment chain, thanks to the unique tracking code linked to any SWIFT gpi transaction. In addition, every bank in the payment chain would be notified at the same time. And if the payment was already credited, the instructed bank would receive an immediate recall of funds instruction. Besides the value of stopping an erroneous or fraudulent payment, this service provides increased operational efficiency and avoids a lot of administrative hassle for all parties involved.

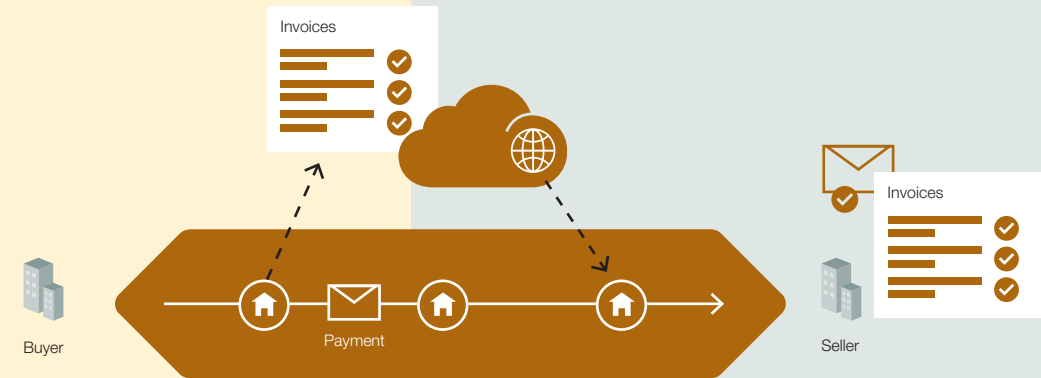


International payment assistant

Challenged by a multitude of different local payment practices, regulatory requirements and account number specifics, corporates lose a lot of time and money today when generating cross-border payments or in the delays incurred when a transaction is returned due to missing or wrong payment data. The SWIFT gpi International Payment Assistant, available through SWIFT's secure information layer in the cloud, would enable corporates to receive value added payment-related information related to all banks and market infrastructures involved in the transaction chain before actually sending the cross-border payment, hence improving operational efficiency, speed and customer satisfaction.

Transfer of rich payment data

Today, corporates are requested, at multiple times and by several banks in the correspondent banking chain, to provide additional payments information for compliance checks. In addition, buyers need to convey rich payment details in order for the seller to reconcile one payment with multiple invoices. This process currently requires manual intervention and numerous e-mail exchanges between the corporate clients and their banks. The ability to use the SWIFT gpi Rich Payment Data service, a secure information layer in the cloud, to transfer rich payment data along with a payment would save costs and precious time for both corporate clients and their banks. Using SWIFT gpi's unique tracking code, the information associated to the payment is conveyed via the cloud. With this service, banks would be able to provide corporates with the capability to reconcile invoices and payments in an automated way and keep track of them at the touch of a button.



Security at the heart of the SWIFT gpi platform

Security is at the heart of SWIFT's products and services. Within the SWIFT gpi platform, specific features have been designed to help provide an increased security layer to the platform – allowing both banks and corporates to perform cross-border payments in a secure and resilient way:

The Tracker

In case of a (suspected) fraud case, banks can easily track the route a payment followed, using the gpi tracker.

Rich Payment Data

Corporates and banks can share extended compliance information and documents needed to accompany the payments, with specific access controls.

Stop and Recall Payment

In the case of a (suspected) fraud, corporates can ask their banks to stop a payment immediately, at any point in the payment chain.

Collaborative innovation

SWIFT gpi will open access to third-party banks, payments service and e-commerce platform providers, who use common APIs to integrate payments services in their specific customer experience thus enabling collaborative innovation.

Exploring blockchain

Under the current correspondent banking model, banks need to monitor the funds in their overseas accounts via debit and credit updates and end-of-day statements. The maintenance and operational work involved represents a significant portion of the cost of making cross-border payments.

As part of the technology evaluation in the SWIFT gpi roadmap, SWIFT launched a Proof of Concept (PoC) in 2017, to test distributed ledger technology (DLT) and determine if this new technology can be applied to reconcile banks' nostro accounts more efficiently and in real time, lowering costs and operational risk. Whilst DLTs are currently not mature enough for broad use on cross-border payments, this technology may provide solutions for the associated account reconciliation. SWIFT will leverage its key assets to bring the technology in line with the financial industry's requirements, including strong governance, PKI security scheme, BIC identify framework and liquidity standards expertise, with the goal to deliver a distinctive DLT PoC platform for the benefit of its community.



Whilst existing DLTs are not currently mature enough for cross-border payments, this technology, bolstered by some additional features from SWIFT, may be interesting for the associated account reconciliation. This PoC gives us the opportunity to test DLT and determine if it can be applied to this particular use case.

Wim Raymaekers

Head of Banking Market and SWIFT gpi, SWIFT

With Asia's trade growth expected to surpass the global average, this faster and secure cross-border payments service will definitely be a boon to our corporate customers. It will not only better facilitate their cash management needs, but also support their overseas business operations and ventures, within and beyond Asia.

Mr Gregory Trotter
Head of Cash Management, Global Transaction Banking, OCBC Bank

SWIFT gpi supports our goal of providing our clients with earlier access to funds, greater transparency & predictability, and the delivery of unaltered remittance data that will enable better decision making for all parties involved in the bank chain. Essentially SWIFT gpi is helping the industry align cross-border payments with the requirements of our clients. Delivering these services in the cloud will allow the construction of entirely new services which will change the way banks conduct international business on behalf of their clients.

Tom Halpin
Global Head of Payments Product Management, HSBC Global Liquidity and Cash Management

We are looking forward to the enhancements that this initiative will bring to cross-border payments. The efficiencies recognized from SWIFT gpi will provide better transparency and an enhanced user experience for our clients.

Emma Loftus
Head of Global Payments and FX, J.P. Morgan

This is a very significant bank-wide initiative in the cross-border payments' space. It is not simply an exercise of 'moving with the times', but rather pragmatic proof that we remain at the forefront of payments innovation to address the precise needs of our clients.

Christian Westerhaus
Head of Product Management, Institutional Cash, Deutsche Bank

Join the world's leading transaction banks

**More banks are joining
SWIFT gpi every day.**

When are you joining?

Sign up today via swiftforbanks@swift.com
or check our www.swift.com/gpi for more information.



SWIFTgpi

About SWIFT

SWIFT is a global member-owned cooperative and the world's leading provider of secure financial messaging services. As a global member-owned cooperative and the world's leading provider of secure financial messaging services, SWIFT enables more than 11,000 banking and securities organisations, market infrastructures and corporate customers in more than 200 countries and territories to communicate securely and exchange standardised financial messages in a reliable way. As their trusted provider, we facilitate global and local financial flows, relentlessly pursue operational excellence, and continually seek ways to lower costs, reduce risks and eliminate operational inefficiencies. We also bring the financial community together to work collaboratively to shape market practice, define standards and debate issues of mutual interest.

For more information, visit www.swift.com or follow us on Twitter: @swiftcommunity and LinkedIn: SWIFT

About SWIFT global payment innovation (gpi)

SWIFT global payments innovation (gpi) aims to dramatically improve customer experience in cross-border payments. SWIFT gpi services will operate on the basis of 'business rules' captured in multilateral service level agreements (SLAs) between participating banks. In its first phase, launched in February 2017, SWIFT gpi delivers a new standard in cross-border payments by increasing their speed, providing transparency over fees and enabling end-to-end tracking. The second phase will see the digital transformation of cross-border payments with additional services such as a rich payment data transfer, an instant stop and recall payment service and an international payment assistant. For its third phase SWIFT gpi is already exploring the potential use of new technologies, such as distributed ledger technology, in the cross-border payments process.

For more information about the initiative, please visit www.swift.com/gpi or download the SWIFT gpi iPad app.

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