

Agenda

Consultation Responses: final output

Final Strategy paper: storyboard structure Main decision points for Forum alignment

Appendix



Recurring themes arose across solutions, with questions focused on data, governance and a request for more detail

Consultation responses: General themes

Data Privacy, security and access

- Clusters of themes that arose highlighted risks and agreement areas for a subset of solutions around data privacy, data security and data access.
- A variety of solutions involve the creation of databases, sharing of personal information or using data as a solution. This has lead respondents to highlight data risks that need to be addressed in the solutions

A stream of activity has been set up to consider data security, privacy and access concerns, specific to our Financial Crime solutions, this will be extended to cut across solutions and address concerns for the whole strategy

Governance

- The majority of respondents reached consensus on each solution's governance; the Payment Services Regulator was favoured for this role across a variety of solutions.
- Answers and comments relating to the governance, design and implementation of the solutions were broadly aligned

The responses were strongly supportive of the current oversight and governance arrangements with the PSR and Forum taking strong active roles

More information and cost-benefits analysis required

- The responses agreed with and reiterated the importance of providing further information on the solutions and undertaking further cost-benefit analysis as part of the detailed design and implementation stages
- Requests for further information and analysis were a common response to approach, business case and change to legislation related questions. This also arose as a conditional agreement theme, which requires more information before undertaking further work

As set out in draft strategy document further analysis and a BCE were undertaken for the final Strategy document. In the next stages of the strategy d, gating criteria will be developed for the solutions and scenarios to assess ongoing financial model and implementation feasibility

Responses agree with the direction of travel, however there are a variety of areas where more detail is requested

Agreement
Further solutions

Composition of received responses: agreement level

Breakdown per solution

	Settlement accounts	100%
	Modern messaging	97%
Simplifying	Aggregator models	96%
access	Common PSO rules	96%
	Liability guidance	93%
	Sort codes	91%
	Single entity	89%
A new	Change for competition & agility	92%
architecture	API	91%
for payments	SPP	70%
	Enhanced sanctions data	92%
	Education	92%
Improving trust in	Identity and Verification	84%
payments	Data analytics	81%
, ,	Intelligence sharing	77%
	Central KYC	75%
Consumer	Included EUN solutions	89%
and business	Additional EUN suggestions	60%
needs	Financial Capability	76%

payments strategy forum

Consultation responses provided some inputs for our current Strategy thinking

Consultation responses: Overview of implications for our Strategy

Responding to consumer and business needs

- Design and implementation will consider risks highlighted in responses (e.g. due dates passing, potential debt and fraudulent misuse) and encourage end-user engagement
- A stream of activity has been set up to consider data security, privacy and access concerns, specific to our Financial Crime solutions, this will be extended to address concerns across strategy as a whole
- · Solution design will incorporate work on understanding the experience and functionality of alternatives,
- Further work on cards needs may be required where they are not already be being addressed

Improving trust in payments

- A stream of activity has been already been set up to consider data security, privacy and access concerns, this will be extended to address concerns across activity as a whole moving forward
- · Solution design will take particular care over the governance, use of rules and access
- Consideration of detrimental effects on end-users and end-user education and acceptance is underway, and will form a core part of proposition development in the next phase

Simplifying access to promote competition

- · Consideration will be given to developing the solutions on ISO20022 to ensure interoperability
- The indirect access liability model will include the involvement of international regulatory bodies to ensure alignment with international regulation
- · Legal questions will be investigated and addressed

New payments architecture

- The risks highlighted with respect to collaborative API development have been noted and will be taken into account as part of gating criteria and ongoing work with the CMA Implementation entity
- Technical questions regarding centralised vs distributed SPP will be further investigated during design phase
- · Work will be aligned to ISO20022, developed iteratively and collaboratively



For user additional end-user needs suggested, the Forum should have a common agreed view

Consultation responses: Summary of additional user needs noted in the responses

Suggested additional EUNs	Proposed Response to additional EUN
Retention of cheque payments	The decision to retain checks has been supported by the development of the ICS and digital imaging
All payments real time	The strategy is moving towards the ability for all payments to be real time but there is still a role for future dated and batch payments
Include international payments in scope	International payments are included in some solutions e.g. Financial crime. Interoperability is a key design principal
Include cards in scope	Further work on cards is anticipated in by the Forum 2 to understand both detriments noted and card based solution opportunities.
Increase speed of settlement	This will be considered by the BoE RTGS initiative
Easing corporate account switching	This could be better enabled by new payment infrastructure, however, is not wholly a payment question
Account Number Portability	This has been considered by the Forum and rationale for its exclusion have been included in the draft
Ease of use of propositions	Ease of use is one of the key design principals for the design of all the solutions.
Increased confidence in security	The Improving trust in payments solutions are targeting this and customer education should increase confidence
Assurance Data covering Payment collections	This will be taken into account during the detailed design phase of the Assurance Data solution
PSPs want to improve fin crime reaction speed	The Improving trust in payments solutions are targeting this.
Include money remittance in scope	The strategy will address the UK aspects of money remittance, however, international payments are out of scope.
Enhanced and rich data would improve corporate assurance	These will be addressed though Enhanced Data and Assurance Data solution development

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The final Strategy paper is structured around seven main chapters, which reflects the July draft document

Final Strategy paper: structure overview

Chapter	Description	Comments/ status update
Our Vision and Objectives	 Articulation of PSF objectives and linkage to broader PSR objectives Overview of the type of end-state (i.e., vision) and expected benefits 	
Payments in the UK	 High-level overview of current state of UK payments industry Commentary on growth of e-payments 	 Developed to retain some similarity with the draft strategy version
The Case for Change	 Reasoning to deliver this vision, and main challenges to mitigate Articulation of needs of end-users and other stakeholders, extent to which are unmet 	Currently at a final review stage before socialising wit wider group
Our Strategy in Sequence	Articulation of the long-term journey for UK paymentsDeployment groups to deliver the strategy over time	
Our Solutions	 Up-front section summary (detail in appendix) Business Case Evaluation by solution: solution overview, key findings Industry consultation responses comments and strategy impact 	• Focus on the BCE work • Still pending some data inputs
Implementati on of our Solutions	 Grouping and sequencing of solutions Commonalities and dependencies: intra-solutions and wider industry Implementation roadmap and main risks per delivery solution 	· Content submitted for WG's validation in multiple interactions, to be included
Conclusion	 Conclusions regarding benefits realised to all end-users/stakeholders Final messages regarding importance of strategy and that industry collaboration will be critical 	• Early drafting

Each solution profile includes an overview, thematic findings from consultation and evaluation results

Our Solutions: chapter 5 zoom-in

Solution Overview

- Describes the problem and the solution
- Details the detriments addressed by the solution
- Highlights potential risks to end-users
- Outlines next steps for each solution

Consultation Responses

- Provides thematic summary of responses to solution-specific industry consultation questions
- Explains how the thematic responses will be addressed as part of the delivery of the Strategy

Business Case Evaluation (BCE)

- Summary of quantitative cost-benefit analysis findings and overview of solution's qualitative benefits
- More detailed information on each solution's:
 - Cost elements
 - Quantitative benefits
 - Qualitative benefits

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Forum decisions on solution continuation and next steps will define Strategy narrative

Topic

Ongoing inclusion of all solutions currently under discussion

Description

Alignment on the continuation of solutions set out in the draft strategy

End-user Needs - Assurance Data:

- Move forward with standards definition
- Begin design of 'Confirmation of Payee' functionality leveraging ongoing initiatives and alternatives as mentioned by Working Groups and in responses (e.g. API framework, Paym, cards etc.)
- Full Assurance Data across all payment types is dependent on the New Payment Architecture (NPA)

End-user Needs - Request to Pay:

- · Recognise technical limitations of current systems e.g. Bacs to deploy RtP
- Define standards to enable consistent services recognising post CMA/PSD2 delivery landscape
- Open APIs can demonstrate RtP functionality & will support delivery against standards across schemes
- Full RtP functionality is committed to be one of the first of NPA overlay use cases

End-user Needs - Enhanced Data

- Define standards for enriched data functionality, recognising the capability limitations on existing infrastructure, and exploring options for limited delivery on existing schemes
- · Committed to deliver full Enhanced Data on NPA

Simplified Access:

 Proceed with all solutions, however, full ISO20022 will require NPA; continue with current ISO20022 mapping activity on current systems

Financial Crime, Data & Security:

• Continue design of all solutions; specifically recognising and addressing privacy and security concerns

Decision points

Identifying next steps for the New Payment Architecture requires Forum alignment on key characteristics

Topic

The way forward for the Simplified Payments Platform

Description

- Alignment of Forum view for SPP infrastructure way forward
- · Recognising further detailed analysis needed

Simplified Payments Platform

- A New Payments Architecture is defined as the vision for:
 - a single set of standards and rules, with strong central governance
 - end-to-end interoperability (including APIs and a common messaging standard),
 - a thin central infrastructure, allowing multiple providers of overlay infrastructure or services to compete in the market simultaneously
 - · Secure & resilient, with financial stability a key principle
- This would be expected to effectively drive competition and innovation across the value chain.
- Continue journey towards this modern architecture that will be fully interoperable and multilayered to support the declared vision and objectives
- · Proved with detailed design of New Payment Architecture:
 - · Developed on modern technology, although not Distributed Ledger Technology
 - Learning from and leveraging ongoing technology developments and deployments where appropriate (e.g. APIs, PSD2, ICS),
- Run a proving pilot with clear outcomes:
 - · Define interoperable standards
 - · Demonstrate standards through a reference build / pilot
 - · Proving layered design (e.g. scalability, extensibility, operating model etc.)

Decision points

The Forum's lead on next steps will maintain momentum and enhance the impact of the final Strategy document

Topic

Implementation: focus for 2017 and how to maintain momentum

Description

- Putting in place delivery governance
- Principles for longer term funding / economic model

• Oversight from 'Forum 2' accountable to PSR

- Forum 2 will put in place working structures to move forward through 2017 and will coordinate with PSODG; IE; and RTGS; delivery responsibility will transition to the new consolidated PSO at the end of 2017
- Recognise the positive BCE for solution implementation (on moderate take up over 10 years)
- Hold funding discussions with participants (PSPs, PSOs, Schemes, Government, other)

• The detailed business and economic models will be developed in the next phase (a core principal is payback for funding over take up period e.g. 10 years)

Decision points

• Ongoing assessment is informed by next stage design with robust governance and strict gating criteria to assure continued demonstration of commercial viability, delivery feasibility etc.

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Respondents believe request to pay will boost control and confidence in payments but asked for details and highlighted design risks

End-User Needs: Request to pay

Top3 themes per topic

Benefits overview

Control 38%
Confidence in payments 22%
Reduce costs 5%

- "It would give greater control and flexibility over the timing of regular outgoing payments"
- "Increasing confidence amongst this client group to use electronic payments"

Highlighted risks

Misuse & abuse		25%
Inaction leading to extra costs	1	7%
Non-universal offering	8%	

- "Data privacy concerns of Payee need to be taken into account"
- "There is a key risk associated with request to pay in terms of customer inaction and unintended consequences"

Business case considerations

CBA required	22%
More detail required	15%
Drive Comp. & Innovation	11%

- "We expect that the planned cost benefit work to be done will confirm the case for moving forward with these"
- "Insufficient information to determine whether or not there is a business case"

Alternatives suggested

Variety of alternatives ¹		17%
Use of existing infrastructure	13%	
Cards	8%	

- "Vocalink have developed a set of technical solutions that have the potential to comprehensively [fulfil] the specified needs"
- "Enhancing direct debits with features such as positive pay type arrangements"

Assurance data is expected to boost confidence and reduce misdirected payments with privacy and security concerns

End-User Needs: Assurance Data

Top3 themes per topic

Benefits overview

Confidence in payments
Less misdirected payments
Real time payments needed 9%

- "This will primarily help to increase confidence among those users who distrust electronic payments"
- "A reduction in the amount of misdirected payments experienced by end-users assuming 'Confirmation of Payee'"

Highlighted risks

Data privacy		55%
Data security	27%	
CBA required	18%	

- "Further consideration must be given to data privacy requirements to protect consumers"
- "There is a security risk of data being lost or stolen"

Business case considerations

CBA required		17%
More detail required		14%
Cost reduction	7%	

- "Further work is required in many areas relating to CBA"
- "It is not clear whether it is expected that banks will pay for the solutions"

Alternatives suggested

Paym		25%
Use of existing infrastructure	15%	
Open access APIs	10%	

- "[An alternative could be] the Account Name Verification service proposed by Paym"
- "It is a possible, proven (through PAYM) solution, that is crying out to be developed"

Easier reconciliation is seen as the main benefit from enhanced data; however data security and privacy concerns are evident

End-User Needs: Enhanced Data

Top3 themes per topic

Benefits overview

Easy reconcilliation 23%

Confidence in payments 13%

Drive Comp. & Innovation 10%

- "Enhanced information will provide more detail to provide reconciliation against"
- "They should also improve users' confidence in using electronic payments"

Highlighted risks

Data privacy		53%
Data security	27%	
End user impact	13%	

- "[If this solution were followed, there would be a need to] ensure that only those who need to access the data are able to access it"
- "There is no evidence that widespread data leakage would not occur"

Business case considerations

CBA required		20%
Lack of evidence		20%
Fin crime reduction	8%	

- "We believe that a full cost benefit analysis must be undertaken"
- "Lack of business case/IA analysis presented for the market"

Alternatives suggested

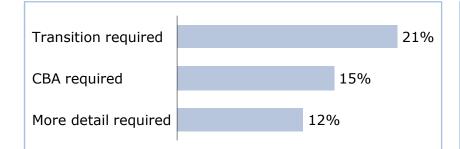
Use of existing infrastructure		13%
Modern messaging standards		13%
Functionality already offered	7%	

- "This can be achieved through existing payment structures with appropriate development"
- "Implementation of ISO 20022 will automatically resolve this problem "

Responses indicate that end-user needs should be addressed with transitional solutions if the cost benefit analysis is attractive

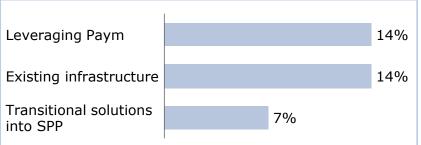
End-User Needs

Transition stage feasibility: Themes



- "The delivery of the new payments architecture will take time and it shouldn't stall the development of new propositions for customers in the meantime. [...] While the technology may not be transferrable to the new payments architecture, the rules and functionality must remain the same."
- · "We are unable to comment on whether there is a business case for investing in transitional solutions while the new payments architecture is being delivered until a full impact assessment and cost/benefits analysis is done"

Alternative solutions suggested



- "We would encourage operators to work together to consider how they can use the data they see about payment flows and the existing Paym database to reduce the amount of payments made in error"
- · some functionality exists for Request to Pay and Confirmation of Payee via existing Payment Schemes [...]. It would seem reasonable to investigate the potential of expanding this functionality "

Responses agree strongly with SAM solutions, identifying benefits and considerations

Simplified Access to Market: main themes per solution

Solution	Agreement level	Theme #1	Theme #2	Theme #3
SAM1 Provide independent access to SORT codes	91%	Encourage competition and innovation	Appropriate work is currently underway ¹	Move to BIC/IBAN rather than sort codes
SAM2 Accessible Settlement Account Options	100%	Encourage competition and innovation	Robust governance is required	Aligned with BoE RTGS initiative
SAM3 Enabling aggregator access models to PSOs	96%	Increase efficiency	Lower barriers to entry	Robust governance
SAM4			Encourage competition	ISO20022 is important
Common payment systems operator participation model and rules	96%	Reduce cost		
SAM5 Consolidation of payment systems	89%	Cost benefit analysis required	Increase efficiency	Reduce costs
SAM6 Moving the UK to modern message standards	97%	ISO20022 is important	Standardisation is a key characteristic	ISO20022 is urgent
SAM7 Indirect access liability models	93%	Include international regulatory bodies	Sponsor guidelines	Balance risks of different stakeholders

Responses highlighted requirements for international agreement in liability models and using competition to drive business cases

Top3 themes per topic

Simplified Access to Market: core themes across selected solutions

Solution	Topic	Top 3 then	Quotes	
SAM3 Enabling aggregator access models to PSOs	Business case	Reduce cost Drive Comp. & Innovation Increase efficiency	19% 19% 11%	"By minimising costs of participation to aggregators, the costs to PSPs should also be reduced through the medium of competition"
SAM5 Consolidation of payment systems	Alternative solutions ¹	SPP will address Addressing liability models Drive Comp. & Innovation	25% 13% 13%	"the introduction of the new payment systems architecture [] would help achieve the identified benefit of interoperability
Risks SAM7 Indirect access liability models Governance	Risks	Impact of international regulation Outstanding legal questions Industry inertia	17% 10% 10%	[We do] foresee challenges in that the regulatory environment is not restricted to just the UK/EU, but to all regulators globally "
	Governance	PSR FCA PSO leadership	47% 13% 9%	"the PSR should lead this activity"

Respondents agreed with the solutions and highlighted data risks and legal questions

Financial Crime and Data Security: main themes per solution

Solution	Agreement level	Theme #1	Theme #2	Theme #3
FCDS1 Customer awareness & education	92%	Ease of use of systems would facilitate	Collective education program	Broader education than payments
FCDS2 Technical standards	84%	Industry guidelines rather than standardisation	Standardisation of process	Outstanding legal questions
FCDS3 Payment transaction data sharing & data analytics	81%	Data privacy concerns	Data security	Data sharing and access
FCDS4 Financial crime intelligence sharing	77%	Reduce financial crime	More detail required	Data privacy concerns
FCDS5 Trusted KYC data sharing	75%	Data privacy concerns	Data security	Data sharing and access
FCDS6 Enhancement of Sanctions data quality	92%	International implementation approach	Involve international regulators	Appropriate work is currently under way

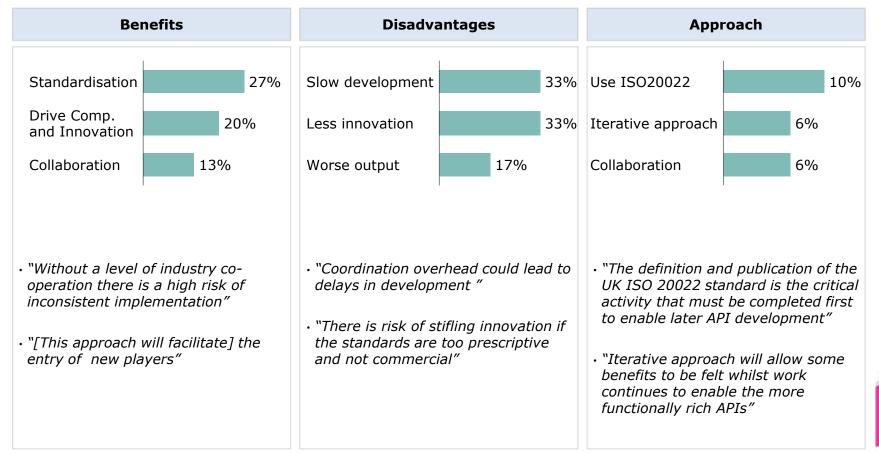
Respondents mentioned a variety of legal, regulatory and data protection themes across the Financial Crime solutions

Financial Crime and Data Security: core themes across selected

Solution	Торіс	Theme #1	Theme #2	Theme #3
FCDS1 Customer education	Governance	Payments UK	ВВА	FFA UK
FCDS3 Transaction data sharing & analytics	Risk	Data Privacy	Data Security	Outstanding legal questions
	Legislative change required	CBA required	More detail required	Outstanding legal questions
FCDS4 Financial crime intelligence sharing	Benefits	Financial crime reduction	Reduce 'false positives'	Need 'right to reply'
	Risks	Data security	Outstanding legal questions	Data Privacy
	Business case	CBA required	More detail required	Risk / concern analysis required
	Governance	Independent body	Robust governance required	Central entity
	Legislative change required	CBA required	More detail required	Outstanding legal questions

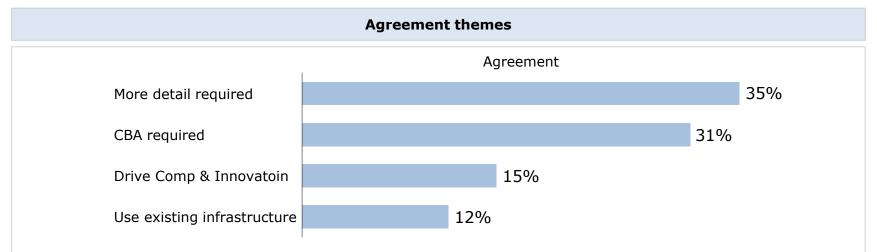
API solution standardisation and enablement of competition is viewed positively by respondents, who cite ISO20022 as critical to consider

Horizon Scanning: End-user APIs and Open access APIs



Responses generally agreed with the concept of a Simplified Payments Platform but wanted more details and a detailed CBA

Horizon Scanning: Simplified Payments Platform



- "we support the idea of doing further work, and we caution against getting too wedded to a particular new architecture before this work is complete"
- "Further work and analysis on the cost/benefits, security requirements, privacy and infrastructure needs to be completed"
- "A simplified payment platform would also have additional competition and innovation benefits as a more open platform will allow Fintechs and others to develop their own payment propositions and compete on the provision of infrastructure to PSPs"
- "the Forum may have focused too heavily on a vision for a future technical horizon and possibly overlooked some of the already emerging opportunities from the existing centralised infrastructure which is developing its capabilities domestically as well as being successfully exported"

Respondents opined that SPP should be a new scheme governed by a new consolidated entity, but no clear view on op model

Horizon Scanning: Simplified Payments Platform

Topic	Agreement					
Governance	New conso		Other body			
	54%		239	% 11	% 11%	
	"The new consolidated paymenturn it into a detailed architect			to take agreed desig	Detail required in principals and	
New vs old scheme	SPP should be new scheme			Other		
	32%	25%		25%	18%	
	Adapt existing • "The only alternative would be to completely reconstruct and modernise the existing schemes, but this would not add the same value that implementing a new standards based scheme would"					
Distributed vs Centralised	Centralised		Other	Other		
	24%	24%	24%	15%	15%	
	Distributed CBA required • "We would expect a centralised infrastructure would be appropriate" • "We believe a distributed model would have a number of advantages – primarily around resilience of the payment system"					
	Although 'centralised' a	and `distributed' were were negative towa			oonses (27%)	

Responses felt that implementation approach and sequencing should be dictated by the CBA and highlighted a few priorities

Implementation Planning: overview

