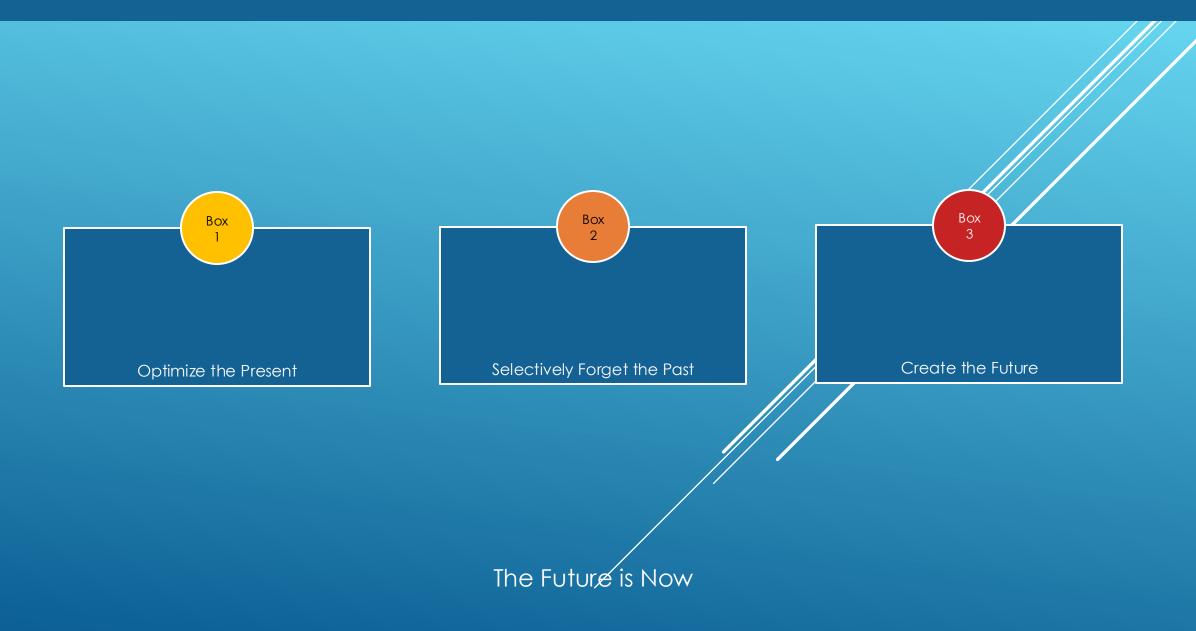
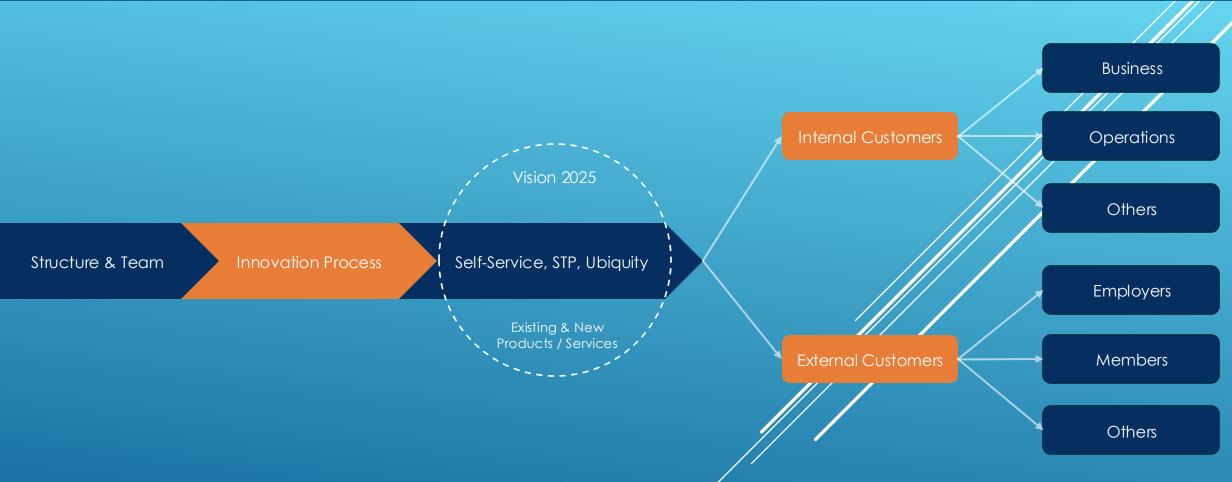


STRATEGY = INNOVATION



TECHNOLOGY MISSION

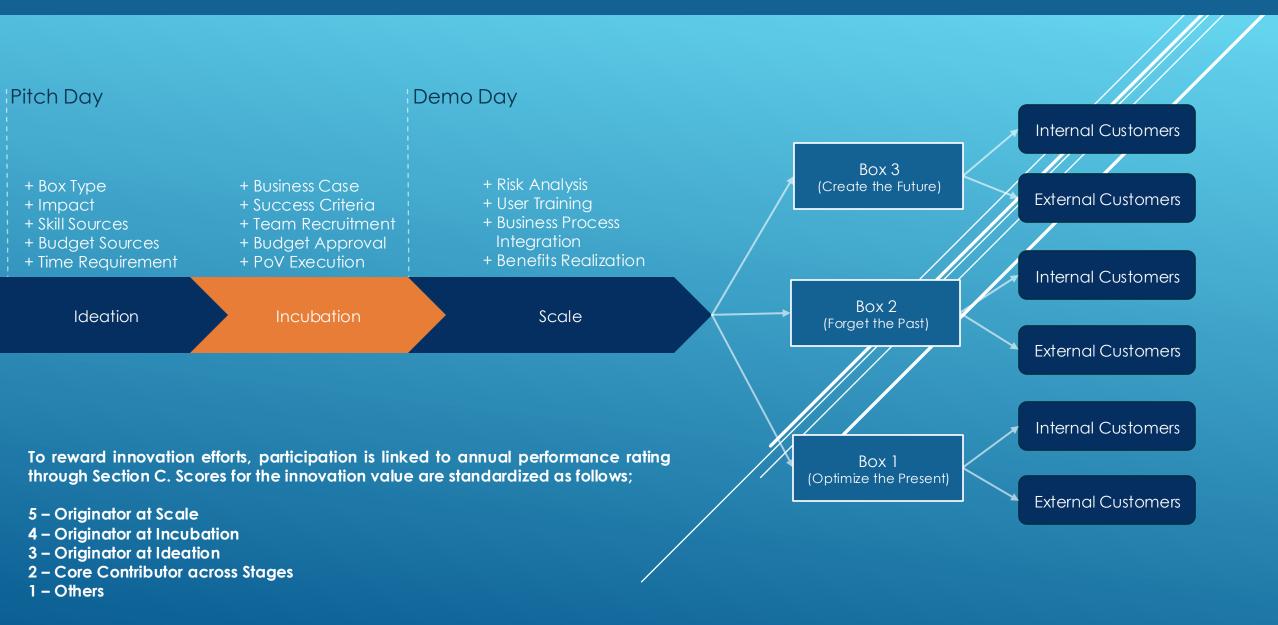


In order for the Fund to achieve its 2025 objectives (20T, 1d TAT, 95% CSAT), the technology leadership must work towards the following:

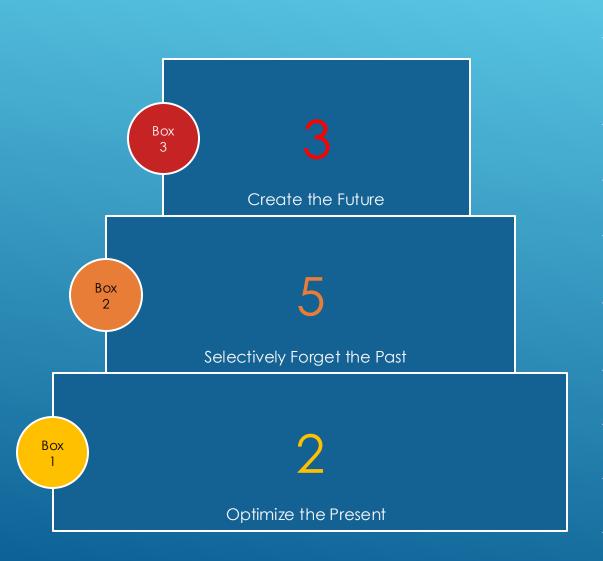
- > Build a well aligned structure and team
- > Executing through a defined innovation process
- > To deliver self-service, straight through processing, and ubiquity for existing and new products / services
- > For both external and internal customers needs

Based on this technology mission, there are 4 Key Performance Indicators to viciously monitor; Innovation Index, Self-Service Index, STP Index, and a Ubiquity Index. These are the priorities that should determine resource allocation. Progress on these must outpace the 2025 timeline by at least 5 years to ensure that the Fund has a long-enough runway with the right technology towards 2025.

UNPACKING INNOVATION

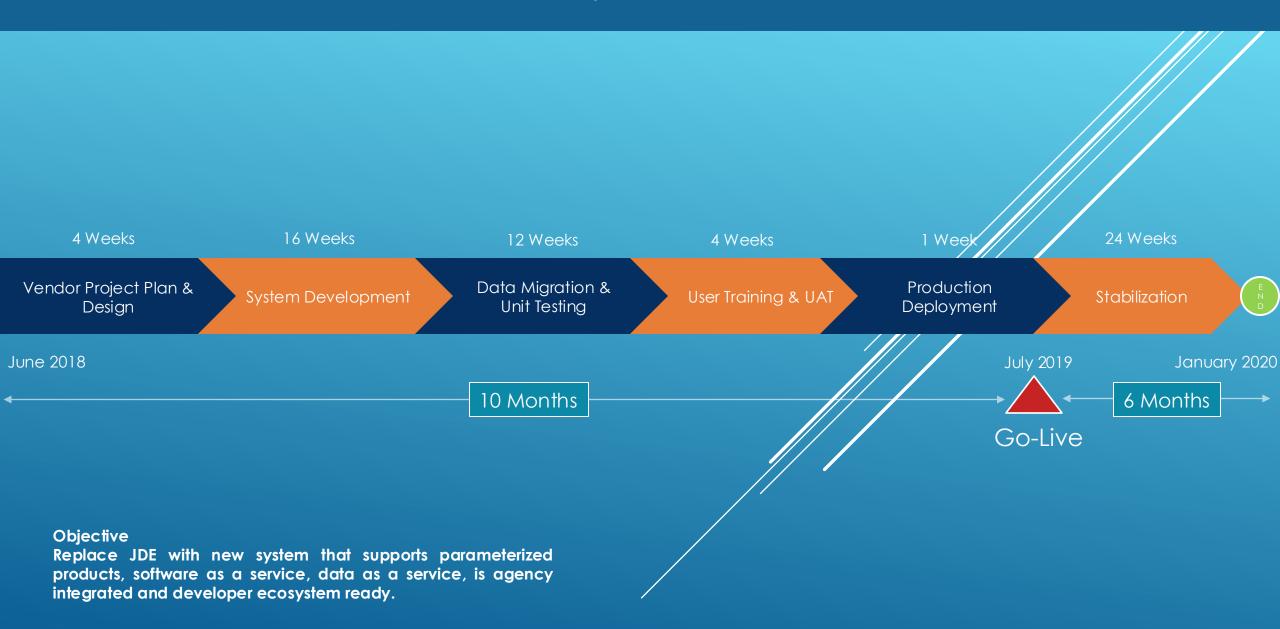


INNOVATION PIPELINE

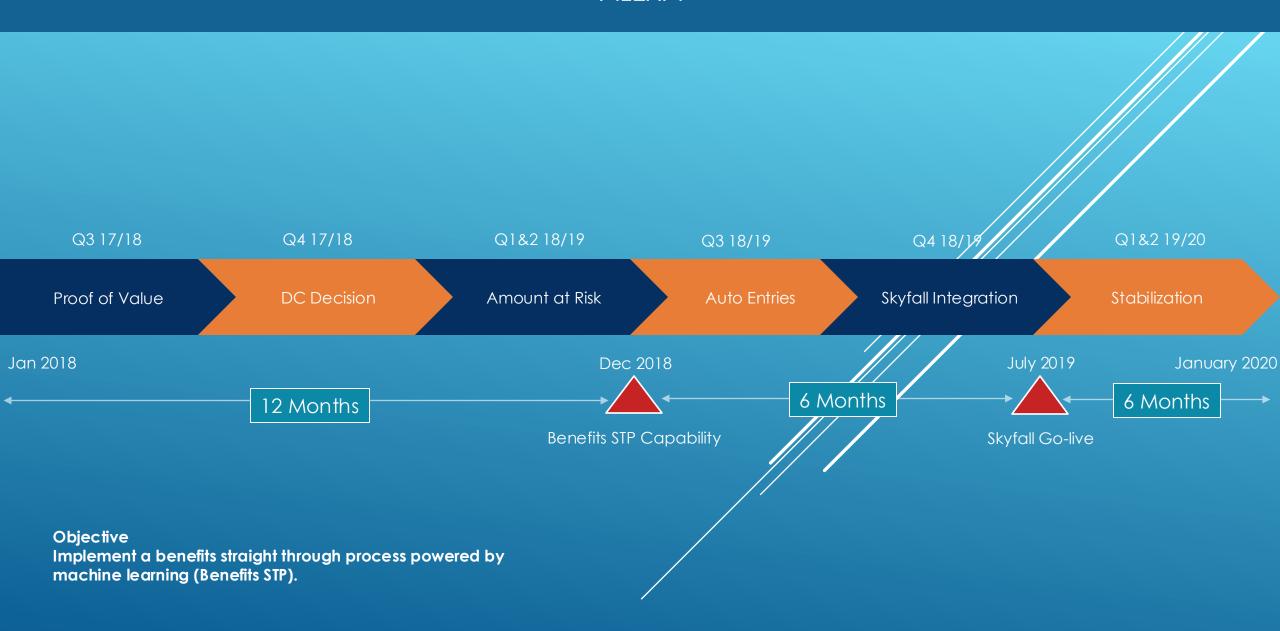


#	Project	Objective	Box
1	Skyfall	Replace JDE with new system that supports parameterized products, software as a service, data as a service, is agency integrated and developer ecosystem ready	3
2	Treadstone	Rebuild mobile and web apps into analytics engines and personal assistants to drive engagement	3
3	Alexa	Implement a benefits straight through process powered by machine learning (Benefits STP)	3
4	Thunderball	Accept various mayment methods and agent networks for both in-coming and out-going transactions	2.5
5	Abatis	Foster internal customer self-service powered by the democratization of knowledge and search (package knowledge for easy retrieval and reuse by anyone)	2
6	Spectre	Access any application / resource, anytime, anywhere, on any device	2
7	Etna	Achieve hyper converged infrastructure and hot DR site	2
8	Stratus	Migrate non-core systems and applications to the cloud to reduce TCO	2

SKYFALL



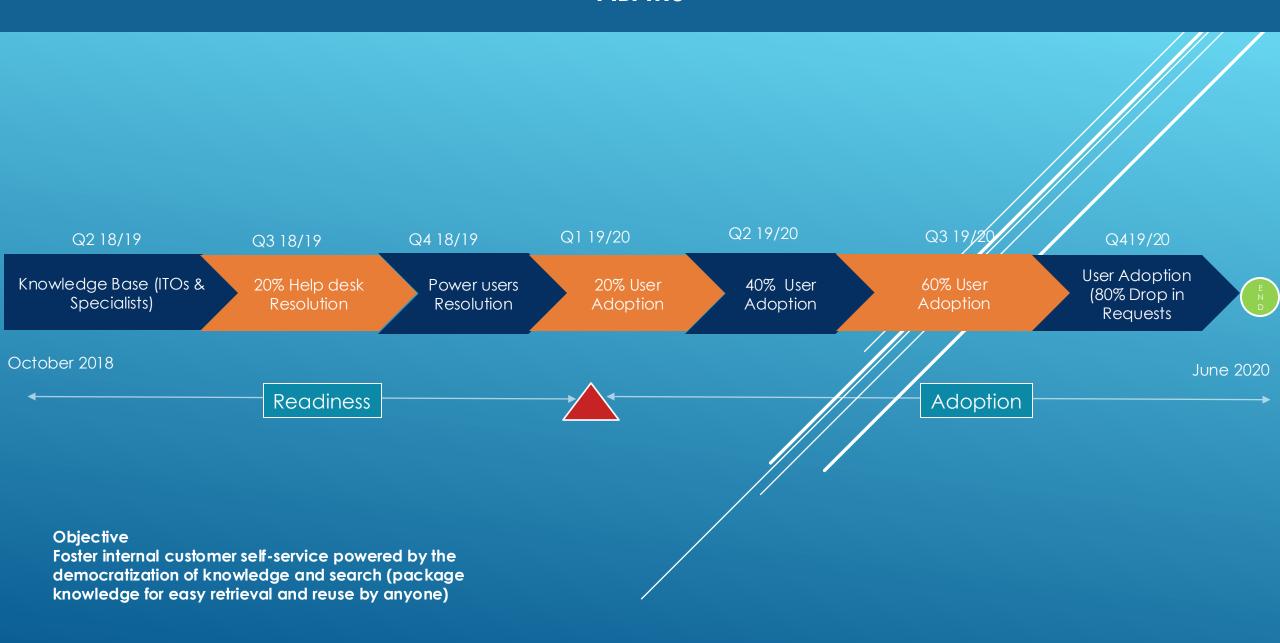
ALEXA



TREADSTONE



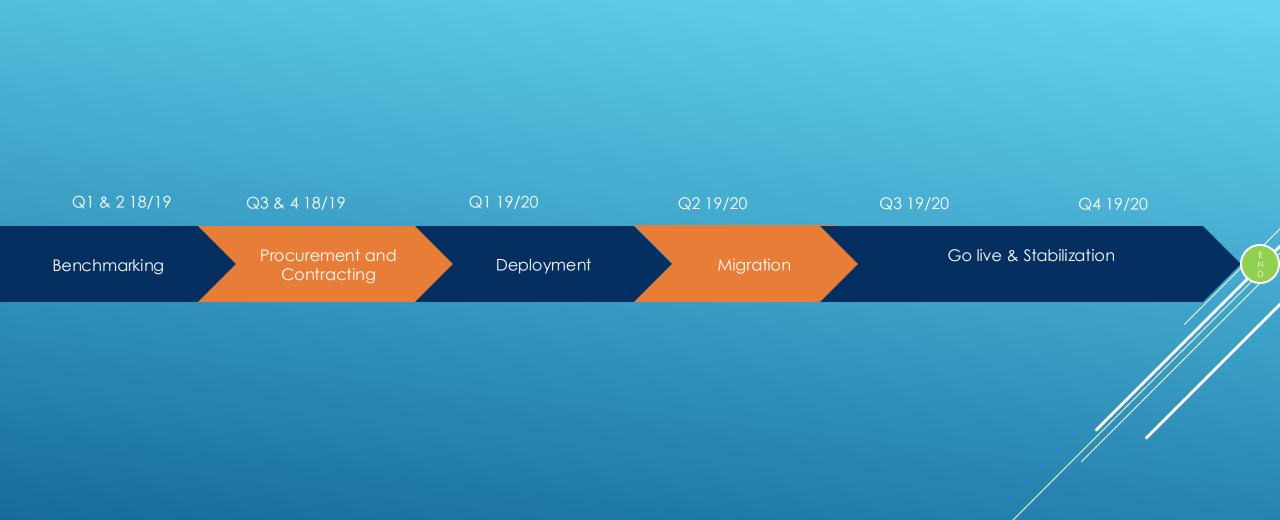
ABATIS



THUNDERBALL

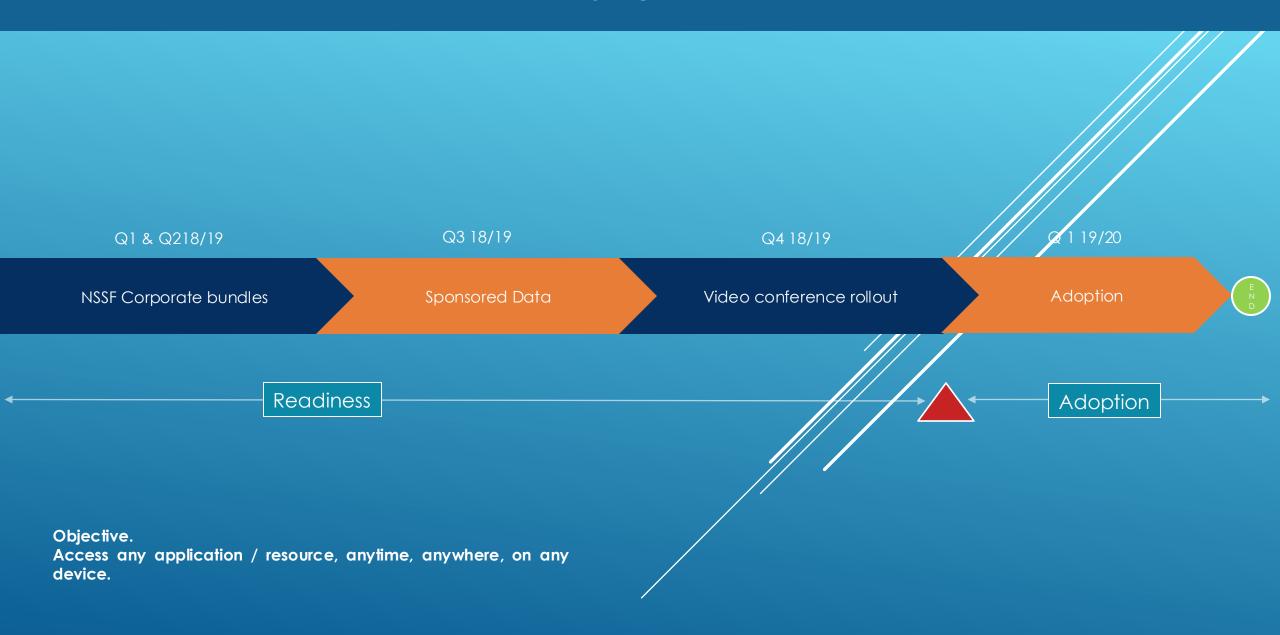


ETNA



Objective Achieve hyper converged infrastructure and hot DR site

SPECTRE



STRATUS



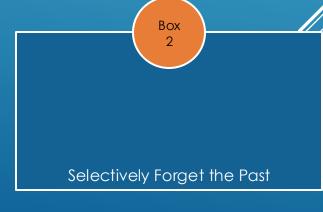
IDEAL TECHNOLOGY SCORECARD

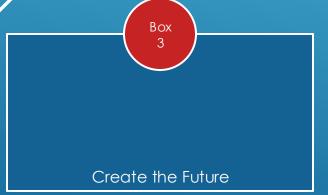
#	Perspective	Measure	Components	Weight	Target
1	Customer	Self-Service Index	Channels Parity, Adoption, Walk-ins Reduction	20%	Srowth
2	Finance	Ubiquity Index (Affects Cost of Service)	Service Parity, Adoption, Cost Reduction	20%	Growth
3	Business Process	STP Index	Process Coverage, Case Coverage	20%	Growth
4	People & Systems	Innovation Index	Engagement, Progress, Impact	20%	Growth
			Total	80%	

TOP THREATS

#	Threat	Description
1	Box 1 Obsession	We are extremely an incremental improvement based culture, not a non-linear or breakthrough innovation culture. Individuals have automation targets in their score cards Too many optimization needs forcing IT to deploy resource, time, and effort in Box 1 activities. We currently have over 40 active initiatives in Box 1.
2	Volatility Effect	Decisions on deployment of resource being made based on volatility not long ferm objectives.
3	Resistance to Internal Customer Relationships Changes	Traditionally, technology has been focused on people that served customers. Now technology serves customers directly. As technology shifts from a support role to ocustomer facing role, the internal relationships have to change. These changes threaten the status-quo and are not welcome.
4	Perception of the "Future"	The future is not what we shall do in 2025. The future is the current mix of all initiatives across the 3 boxes today. The future is now.

Optimize the Present







TECHNOLOGY INNOVATION PROCESS

The Innovation Process

NSSF should embed a 3-stage, sprint-based, innovation process. At the beginning of the innovation process, ideas come out of strategic objectives, emerging trends, current points of pain, and industry best practice.

In Stage 1 of the process, ideas are placed in one of 3 boxes, and are then evaluated through a quick back-of-the envelope modeling exercise to assess impact, internal / external skill sources, potential budget sources, hypothesis testing timeline. Every 1st Wednesday of the month, IT holds a pitch day where vendors and internal staff give more information about their ideas.

In Stage 2 of the process, we build a business case, set success criteria, assemble a team, process budget approval, and kick off a sprint-based pilot.

If incubation is successful, the solution is then promoted into business as usual mode. A full risk analysis is undertaken, user training is done, process integration is completed, and BAU benefits realization kicks off.

The Innovation Index

We measure innovation through an index with 2 components;

- Engagement The percentage of IT Staff that were actively involved in one of the 3 stages of innovation. This currently accounts for 80% of the index score. As innovation culture takes root, participation will downgraded to 20%.
- Impact The extent to which the target business objectives have been achieved. This currently accounts for 80% of the index score. As innovation culture takes root, participation will downgraded to 80%.

Prioritization Guidelines

- Internal Customer Needs: Business First
- Business Needs: Collections First
- External Customer Needs: Employers First
- Employer Apps: Desktop Web First
- Member Apps: Android First

STRATEGY CANVAS

Manage the Present	Forget the Past	Create the Future
External Self Service & Straight Through Processing • Enrollment • Payments – Contributions, Benefits • Account Info – Profile, Transaction History Internal Self Service • Access Management • Analytics • Devices Channels • Mobile Web • Desktop Web • Native Mobile – Android, iOS • Feature Phones – IVR, SMS, USSD • Other Touch points – ATMs, Kiosks	Integration 3 core systems whose integration is not seamless. This affects workflow and turn around time. Data Integrity Our environment has multiple datasets that are not synchronized. This leads to duplication, errors, and poor customer experience. Customization The current core systems require expensive customization, in terms of time, cost, and effort, to meet changing business needs. Support Core systems have inadequate vendor support, and limited talent pool, leading to extended incidents and problems, affecting productivity and turn around time. Industry Misfit / Ongoing Innovation JDE is not built for social security and therefore the vendor does not deliver ongoing innovation for that space. Recurring Audit Issues The current core systems have multiple open audit issues that are unlikely to be resolved. This exposes the business to various risks.	Ubiquity - Improve capabilities of serving the customer from where he is, not where to am Workforce Mobility Location & Mapping Ecosystem - Offload more to others of what we have traditionally done ourselves Agent Network Developer Ecosystem Cloud - SAAS, IAAS Data Science Machine Learning Apolitics Create New Revenue Streams Salary / Employment Data Analytics Software as a Service (SAAS) ffiliate Programs Fund Administration Services People & Talent

INNOVATION PIPELINE

#	Project	Objective State of the state of	Box	Current State
	Skyfall	Replace JDE with new system that supports parameterized products, software as a service, data as a service, is agency integrated and developer ecosystem ready	3	Proposals were successfully submitted by both shortisted bidders. Desk evaluation completed. Demos scheduled to start March 15.
2	Treadstone	Rebuild mobile and web apps into analytics engines and personal assistants to drive engagement	3	Android Mobile app has been tested and is ready for release. Public release is scheduled for Monday Mar 12.
3	Alexa	Implement a benefits straight through process powered by machine learning (Benefits STP)	3	Kick-off meeting with Microsoft tokes place on Tuesday Mar 13.
4	Thunderball	Accept various payment methods and agent networks for both in-coming and out-going transactions	2.5	Card payments approval is being processed by marketing.
5	Abatis	Foster internal customer self-service powered by the democratization of knowledge and search (package knowledge for easy retrieval and reuse by anyone)	2	Service Now is now live and is being used by IT resolvers. Next user set will be Power Users, after which a fund-wide rollout will be done.
6	Spectre	Access any application / resource, anytime, anywhere, on any device	2	Currently negotiating an NSSF bundle with both Airtel and MTN to reduce the cost of remote access.
7	Etna	Achieve hyper converged infrastructure and hot DR site	2	Site visits were completed last month. Negotiations with manufacturers were undertaken. Initiating procurement procedure this week.
8	Stratus	Migrate non-core systems and applications to the cloud to reduce TCO	2	NA
9	Aquila	Replace Aquila with new registration system from CPF	1	Vendor is currently onsite. UAT is planned for Friday 16 th Mar. Go live will be achieved by end of month.