Blarney-40-12   Work in Progress   **ECP Lead:** ▮

Title of Change:	DNI Processing of RINGBILL Access
Site(s):	TITAN POINTE :
System(s):	VISIONQUEST :

Project(s):	No Project(s) Entered
SubSystem(s):	No Subsystem(s) Entered

Description of Change:

This is a partially historical ECP to track efforts performed for processing the DNI portion of RINGBILL. The initial processing of RINGBILL will be performed on our legacy WC2/XKS systems (using Trireme for VoIP & VTC traffic). Once we stand up SKIDROWE, the processing will transfer to that solution so we will need to be cognizant of any and all requirements that should be defined for the SKIDROWE team to enable our solution.

Because we are initially using our legacy systems there will be extra work required to configure them and the network to be capable of higher than normal throughput. There will also be work to determine what kind of filtering is required so that we don't overwhelm our PINWALE partitions. Finally, it is already apparent that further work will be required on the VoIP processing to associate signaling with media cuts. Once that is complete we will be able to look into filtering based on dialing patterns.

Reason for Change:

We now have access to the RINGBILL DNI and rather than waiting until the June/July timeframe to use the new solution for processing, we have developed an interim solution for processing the high data rates on existing architecture.

Mission Impact:

These efforts are an interim solution to process the RINGBILL signal months earlier than we orginally planned. Resources will have to be prioritized against other efforts.

Additional Info:

Last CCB Entry:

04/10/13 15:44:43 ▮
09 Apr CCB - ECP status reviewed

Work Task ID:	WT00010435	**ECP Number:**	Blarney-40-12
Status:	**Reassigned**	**Description:**	Update Baseline - DNI Processing of RINGBILL Access
Life Cycle Phase:		**Assigned To:**	
Last Log Entry:	▮ --- 04/11/13 08:31:14 --- 4/11/13 - NTR		

Work Task ID:	WT00010584	**ECP Number:**	Blarney-40-12
Status:	Completed	**Description:**	Enable DNI Processing of RINGBILL through ng WC2 architecture
Life Cycle Phase:		**Assigned To:**	▮
Last Log Entry:	▮ --- 04/11/13 08:31:49 --- 4/11/13 - NTR		

Work Task ID:	WT00010585	*ECP Number:*	Blarney-40-12
Status:	Completed	*Description:*	Enable VoIP processing of RINGBILL desk es
Life Cycle Phase:		*Assigned To:*	████
Last Log Entry:	████ --- 04/11/13 08:32:25 --- 4/11/13 - NTR		

Work Task ID:	WT00010586	*ECP Number:*	Blarney-40-12
Status:	**Being Worked**	*Description:*	Deploy SKIDROWE solution for RINGBILL DNI Processing
Life Cycle Phase:		*Assigned To:*	
Last Log Entry:	████ --- 04/03/13 15:51:25 --- XKS has been loaded on the two SR systems at TP. The TW release is expected by the end of April, though this may push out again. There are some planned RPM updates for XKS that will be installed next week.		

Work Task ID:	WT00010586-1	*ECP Number:*	Blarney-40-12
Status:	Completed	*Description:*	Define RINGBILL Hardware Requirements
Life Cycle Phase:		*Assigned To:*	████
Last Log Entry:	████ --- 04/11/13 08:33:02 --- 4/11/13 - NTR		

Work Task ID:	WT00010586-2	*ECP Number:*	Blarney-40-12
Status:	Completed	*Description:*	Order Skidrow Equipment
Life Cycle Phase:		*Assigned To:*	████
Last Log Entry:	████ --- 08/22/12 13:56:48 --- Order equipment for the RINGBILL SKIDROWE system		

Work Task ID:	WT00010586-3	*ECP Number:*	Blarney-40-12
Status:	Completed	*Description:*	Order Additional Parts
Life Cycle Phase:		*Assigned To:*	████
Last Log Entry:	████ --- 01/16/13 09:33:07 --- All equipment associated with the RINGBILL SKIDROWE has been ordered and received. Closing worktask.		

Work Task ID:	WT00010586-4	*ECP Number:*	Blarney-40-12
Status:	Completed	*Description:*	Recieve Ordered Equipment
Life Cycle Phase:		*Assigned To:*	████
Last Log Entry:	████ --- 08/22/12 14:03:13 --- Receive equipment that was ordered.		

Work Task ID:	WT00010586-5	***ECP Number:***	Blarney-40-12
Status:	**Being Worked**	***Description:***	Stand up Test System
Life Cycle Phase:		***Assigned To:***	
Last Log Entry:	███ --- 04/03/13 15:52:20 --- XKS has been upgraded to 1.5.11 and we have begun to test, though we need to install some patches before we can continue. We are still waiting for TW software.		

Work Task ID:	WT00010586-6	***ECP Number:***	Blarney-40-12
Status:	Completed	***Description:***	Test the RINGBILL SKIDROWE Servers.
Life Cycle Phase:		***Assigned To:***	███
Last Log Entry:	███ --- 12/05/12 15:57:17 --- Servers have been installed at site and powered on. Closing ticket.		

Work Task ID:	WT00010586-7	***ECP Number:***	Blarney-40-12
Status:	Completed	***Description:***	Install 10G NICs in each RINGBILL SKIDROWE r
Life Cycle Phase:		***Assigned To:***	███
Last Log Entry:	███ --- 12/05/12 16:00:07 --- Completed.		

Work Task ID:	WT00010586-8	***ECP Number:***	Blarney-40-12
Status:	Completed	***Description:***	Design Site Plan
Life Cycle Phase:		***Assigned To:***	███
Last Log Entry:	███ --- 01/16/13 09:39:48 --- Rack elevations and network plan has been developed an has been incorporated into site documentation. Closing ticket.		

Work Task ID:	WT00010586-9	***ECP Number:***	Blarney-40-12
Status:	Completed	***Description:***	Transport Equipment to Site
Life Cycle Phase:		***Assigned To:***	███
Last Log Entry:	███ --- 02/21/13 14:50:16 --- Equipment has been shipped to site and installed. Closing ticket.		

Work Task ID:	WT00010586-10	***ECP Number:***	Blarney-40-12
Status:	**Assigned**	***Description:***	Load System and Test Functionality
Life Cycle Phase:		***Assigned To:***	
Last Log Entry:	███ --- 04/11/13 08:34:12 --- 4/11/2013 - NTR		

Work Task ID:	WT00010586-11	*ECP Number:*	Blarney-40-12
Status:	Completed	*Description:*	Duplicate RINGBILL Signal to the SKIDROWE m
Life Cycle Phase:		*Assigned To:*	███
Last Log Entry:	███ --- 02/21/13 14:00:40 --- Signal has been duplicated with a 30/70 splitter. When we're ready to start processing we'll have to see if the light levels are good enough. ███ ██ also has a 50/50 splitter at site that we can try if need be. Marking as complete and will reopen if further work needs to be performed.		

Work Task ID:	WT00010586-12	*ECP Number:*	Blarney-40-12
Status:	**Assigned**	*Description:*	Declare System IOC
Life Cycle Phase:		*Assigned To:*	
Last Log Entry:	███ --- 04/11/13 08:35:55 --- NTR		

Work Task ID:	WT00010586-13	*ECP Number:*	Blarney-40-12
Status:	**Assigned**	*Description:*	Decommission WCT05
Life Cycle Phase:		*Assigned To:*	
Last Log Entry:	███ --- 04/11/13 08:36:10 --- NTR		

Work Task ID:	WT00010586-14	*ECP Number:*	Blarney-40-12
Status:	Completed	*Description:*	Perform Site Survey
Life Cycle Phase:		*Assigned To:*	███
Last Log Entry:	███ --- 08/22/12 14:24:44 --- Completed 6/26/12		

Work Task ID:	WT00010586-15	*ECP Number:*	Blarney-40-12
Status:	Completed	*Description:*	Conduct System Design Review
Life Cycle Phase:		*Assigned To:*	███
Last Log Entry:	███ --- 01/16/13 09:35:03 --- This was completed as part of the ERB. Closing ticket.		

Work Task ID:	WT00010586-16	*ECP Number:*	Blarney-40-12
Status:	Completed	*Description:*	Obtain ETS TD Approval of System Design
Life Cycle Phase:		*Assigned To:*	███
Last Log Entry:	███ --- 01/16/13 09:35:34 --- Completed during the ERB for SKIDROWE. Closing ticket.		

Work Task ID:	WT00010586-17	*ECP Number:*	Blarney-40-12
Status:	Completed	*Description:*	ERB Processing Recommendation Matrix
Life Cycle Phase:		*Assigned To:*	▮▮▮
Last Log Entry:	▮▮▮ --- 01/16/13 09:36:08 --- ERB presentation was completed and approved. Closing ticket.		

Work Task ID:	WT00010586-18	*ECP Number:*	Blarney-40-12
Status:	Completed	*Description:*	Schedule/Conduct Depolyment Readiness w (DRR)
Life Cycle Phase:		*Assigned To:*	▮▮▮
Last Log Entry:	▮▮▮ --- 01/16/13 09:36:39 --- This was completed as part of the ERB. Closing ticket.		

<mark>Blarney-55-12</mark>	Work in Progress	**ECP Lead:**	▮

Title of Change:	<mark>Deployment of TURTLEPOWER system in VQ environment</mark>		
Site(s):	**No Site(s) Entered**	**Project(s):**	**No Project(s) Entered**
System(s):	VISIONQUEST :	**SubSystem(s):**	**No Subsystem(s) Entered**

Description of Change:

This ECP will encompass working with CES (▮) to stand up and forward deploy a TURTLEPOWER system for the purpose of processing VoIP. Installation will occur ▮, followed by deployment to TP and testing against the RINGBILL data. If successful we could turn this into an operational system and work through the details for tasking and number normalization.

Reason for Change:

The primary purpose of this system will be to determine its VoIP processing capabilities, though other capabilities will likely be examined as well. Trireme requires some development to support desk phone conversations of the RINGBILL data and it has been conveyed that TURTLEPOWER has the capability already. We are proposing deploying a TURTLEPOWER system to test this capability and potentially provide a solution for forwarding SIGINT to the to TOPIs in a compressed timeframe (comparitvely to the Trireme solution.

This also provides BLARNEY an opportunity to help TURTLEPOWER develop their capabilities by using potentially unique data found in the BLARNEY environments. Any derived enhancements to TURTLEPOWER will help the agency as a whole.

Mission Impact:

This effort will potentially allow us to deliver RINGBILL voice cuts to the TOPI sooner than waiting for the Trireme solution. It also allows us to make sure we're using the best processing solution for the job.

This will be worked in accordance to priories as set by the BAT branch so other mission will not be negatively impacted.

Additional Info:

Last CCB Entry:

04/10/13 15:47:00 ▮
09 Apr CCB - ECP status reviewed.

Work Task ID:	WT00010899	**ECP Number:**	Blarney-55-12
Status:	**New**	**Description:**	Update Baseline - Deployment of TURTLEPOWER system in VQ environment
Life Cycle Phase:		**Assigned To:**	▮
Last Log Entry:	**None ATT**		

Work Task ID:	WT00010944	**ECP Number:**	Blarney-55-12
Status:	Completed	**Description:**	Installation and configuration of initial TP server
Life Cycle Phase:		**Assigned To:**	▮
Last Log Entry:	▮ --- 12/05/12 15:50:37 --- System has been deployed, configured, and is processing operational data. A DMR was submitted and approved prior to going live with operational processing on November 16th.		

Marking ticket completed as this system is now in an operational capacity.

Work Task ID:	WT00010945	**_ECP Number:_**	Blarney-55-12
Status:	**Being Worked**	**_Description:_**	Analysis of Turtlepower Proceessing in BLARNEY
Life Cycle Phase:		**_Assigned To:_**	
Last Log Entry:	███ --- 04/03/13 15:49:37 --- Test data has been provided to PE to further develop against non SKINNY protocols in an effort to perform processing against a broader scope of data. We are currently waiting for their feedback on progress and what it would take to improve the system performance.		