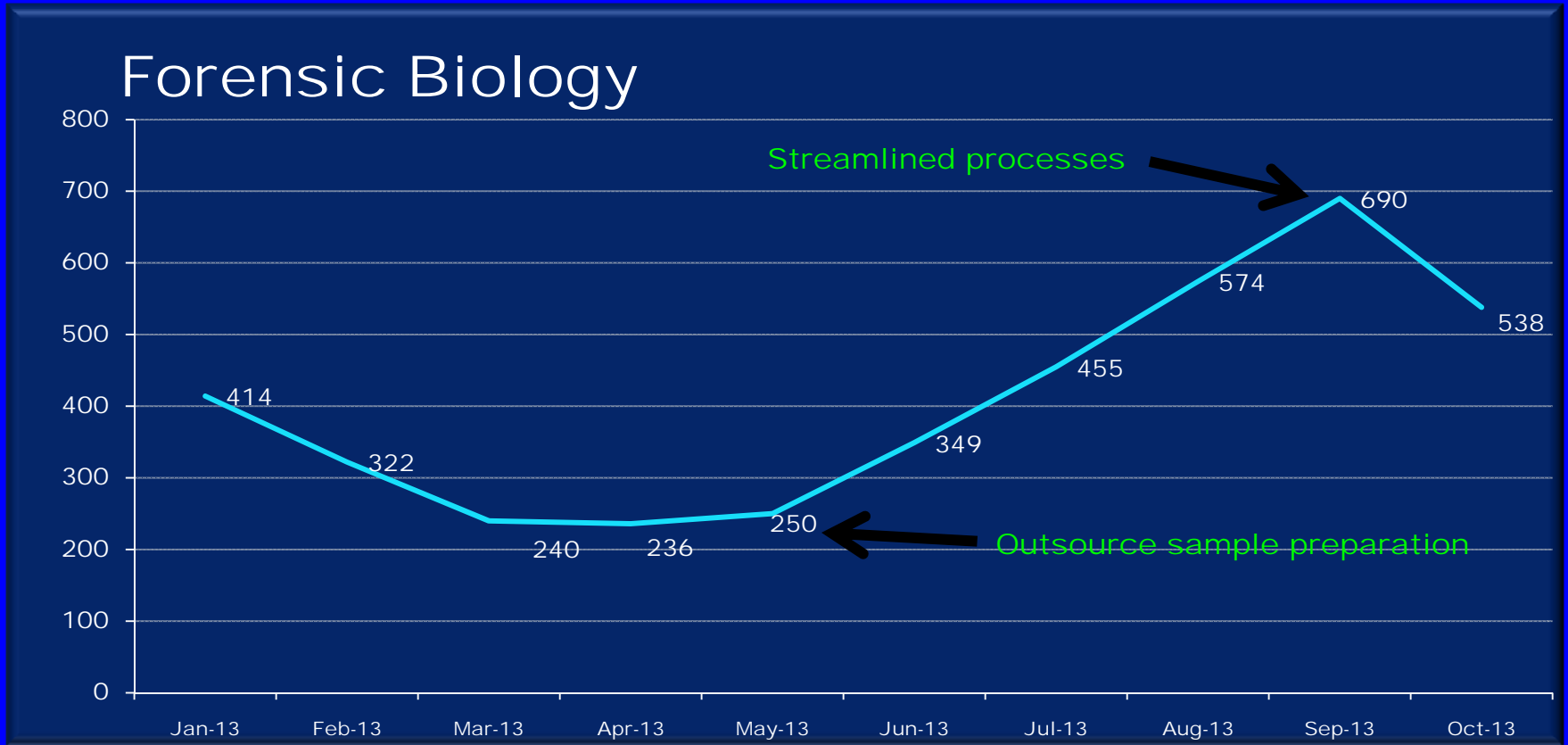


Division of Scientific Services

A brief review from January 2013 to present

Aim higher to reach the target

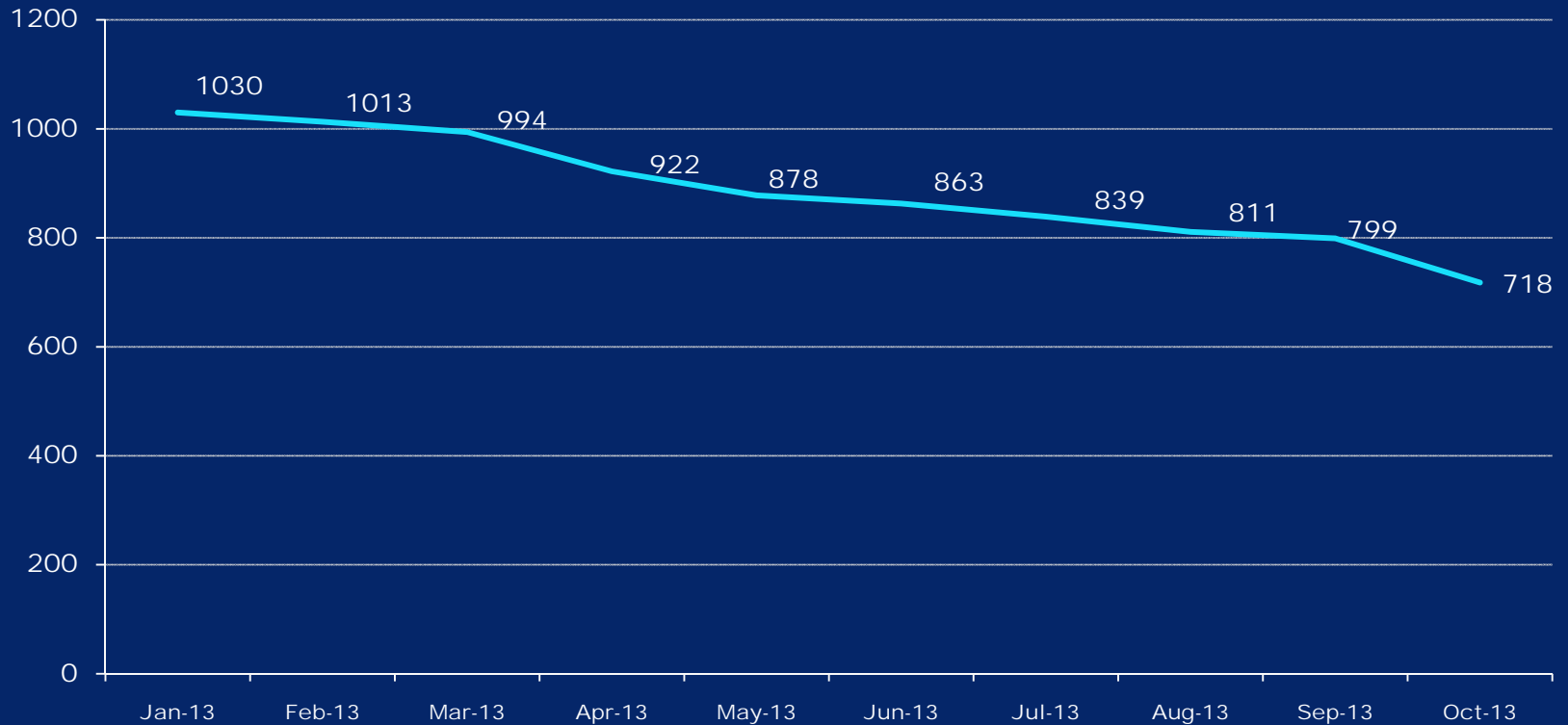
Backlog Reduction



30% Increase?

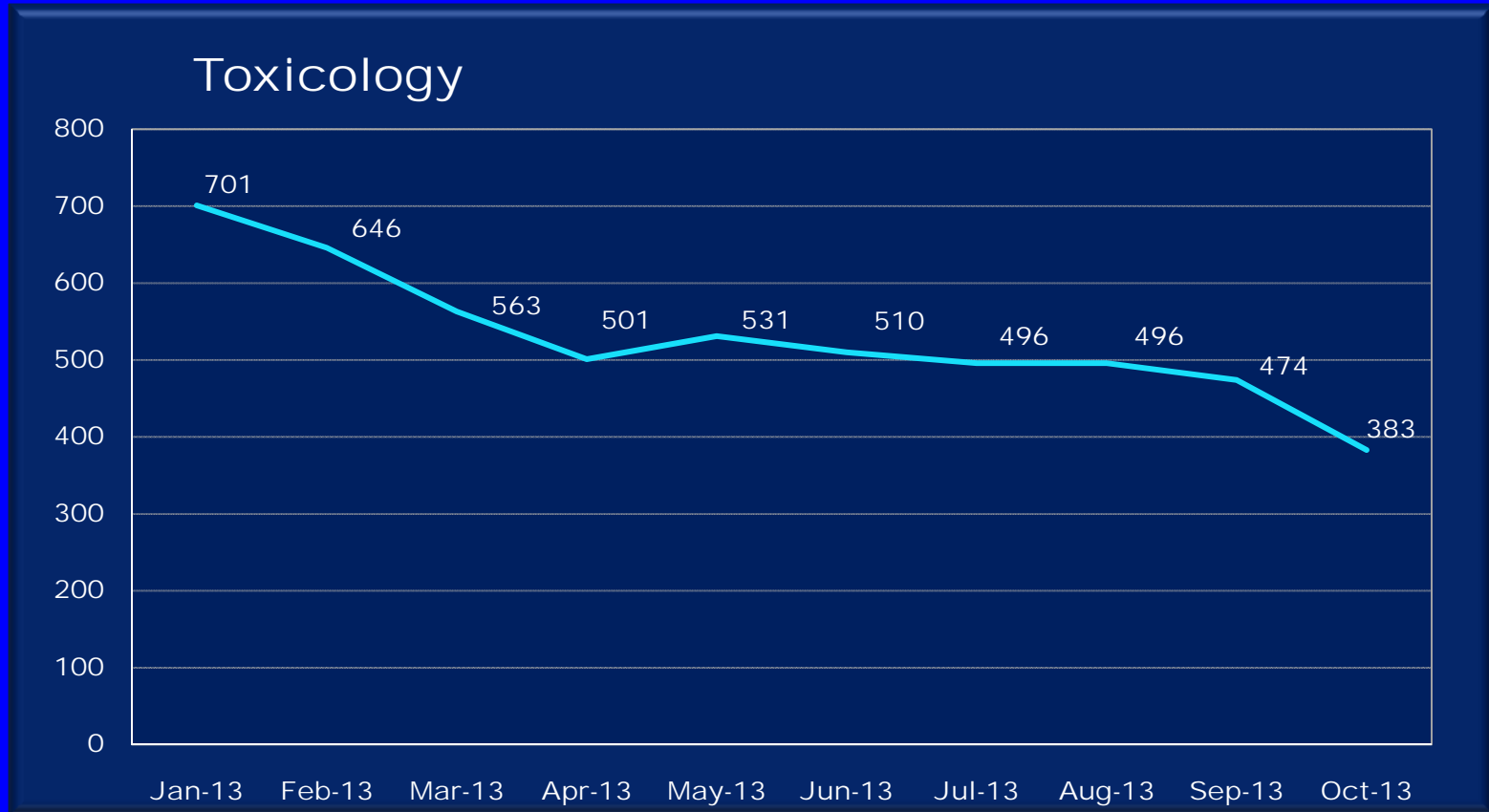
Backlog Reduction

Latent Prints



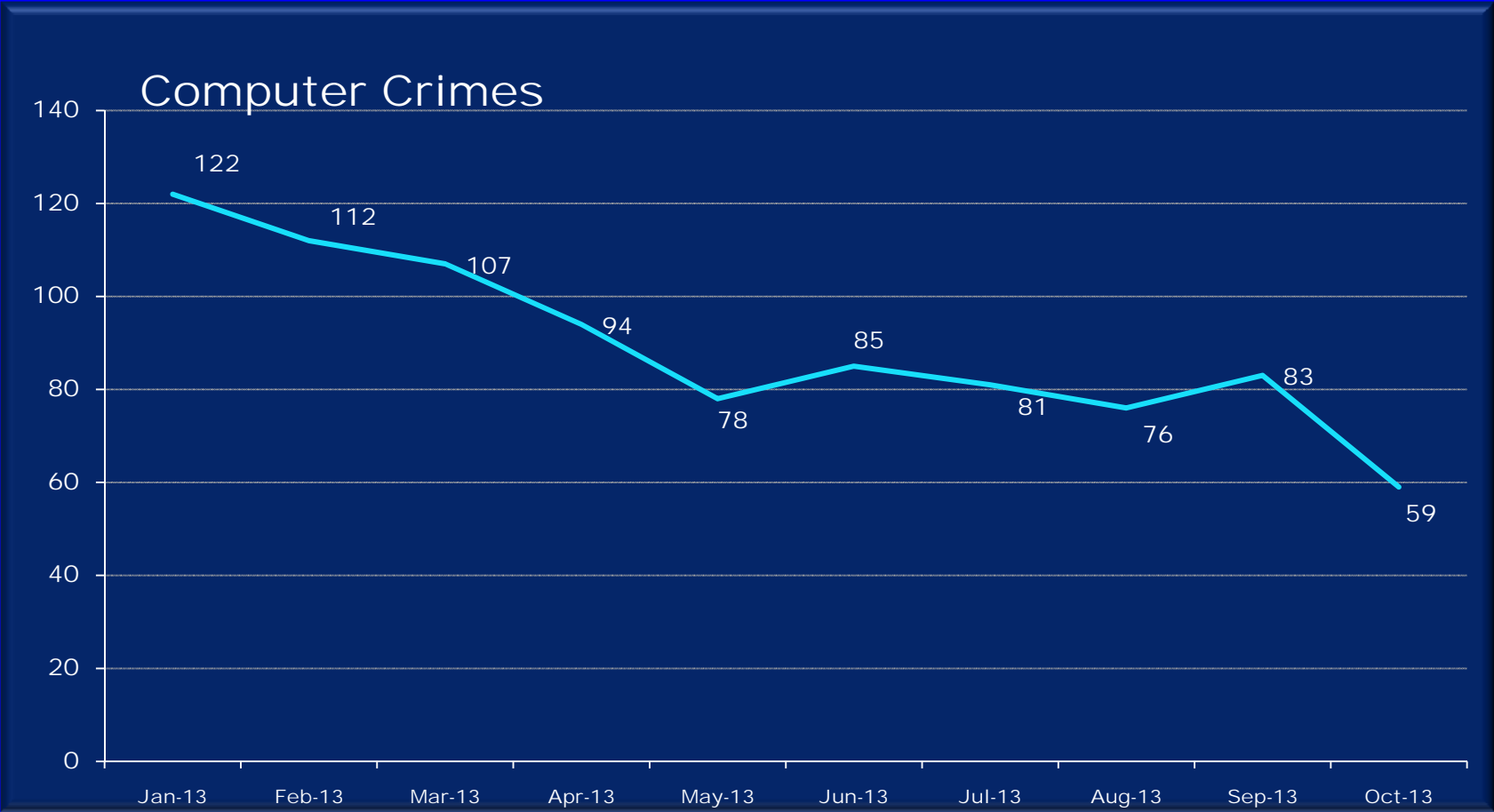
30% Reduction

Backlog Reduction



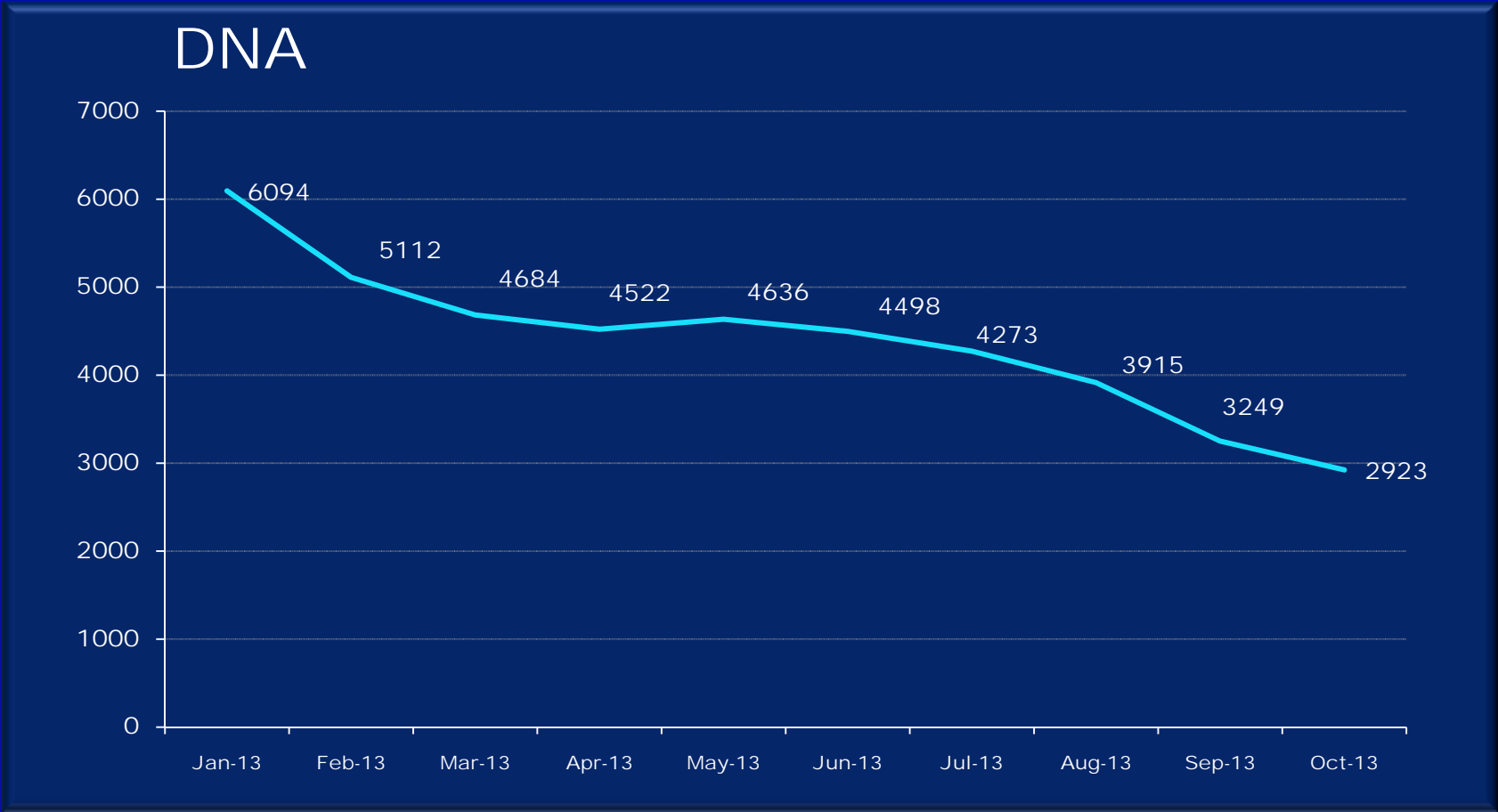
44% Reduction

Backlog Reduction



52% Reduction

Backlog Reduction



52% Reduction

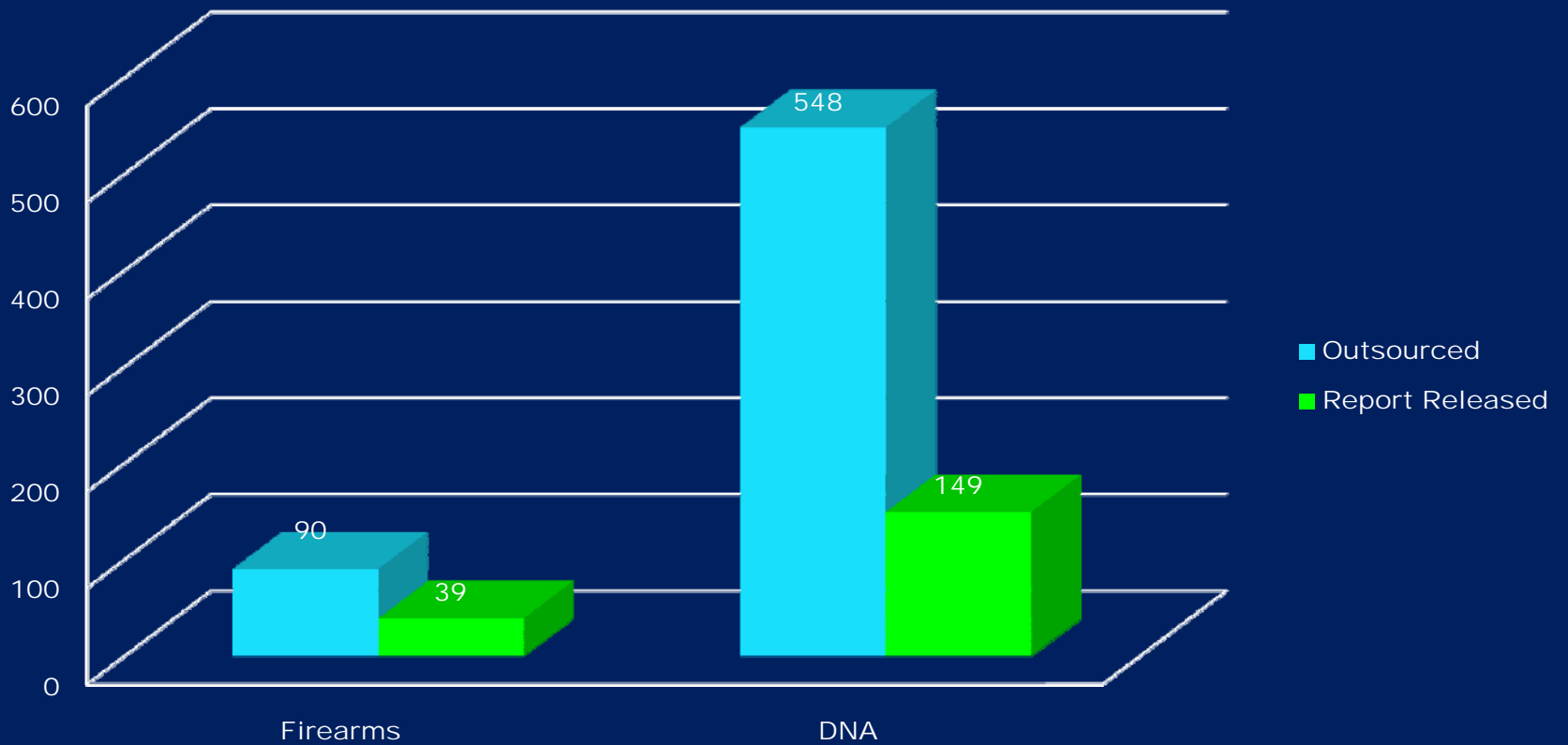
Can DSS Sustain Reduction?

Case Management Creation

- Case Management Section
 - Triage case information between analysts and stakeholders leaving analysts to focus only on processing case work
 - Contacted submitting agencies resulting in administrative completion of DNA, Firearms and Latent Print cases
 - Audit and optimize Laboratory Information Management System (LIMS) to remove duplicative information

Outsourcing

Outsourcing



LEAN Impact – Firearms

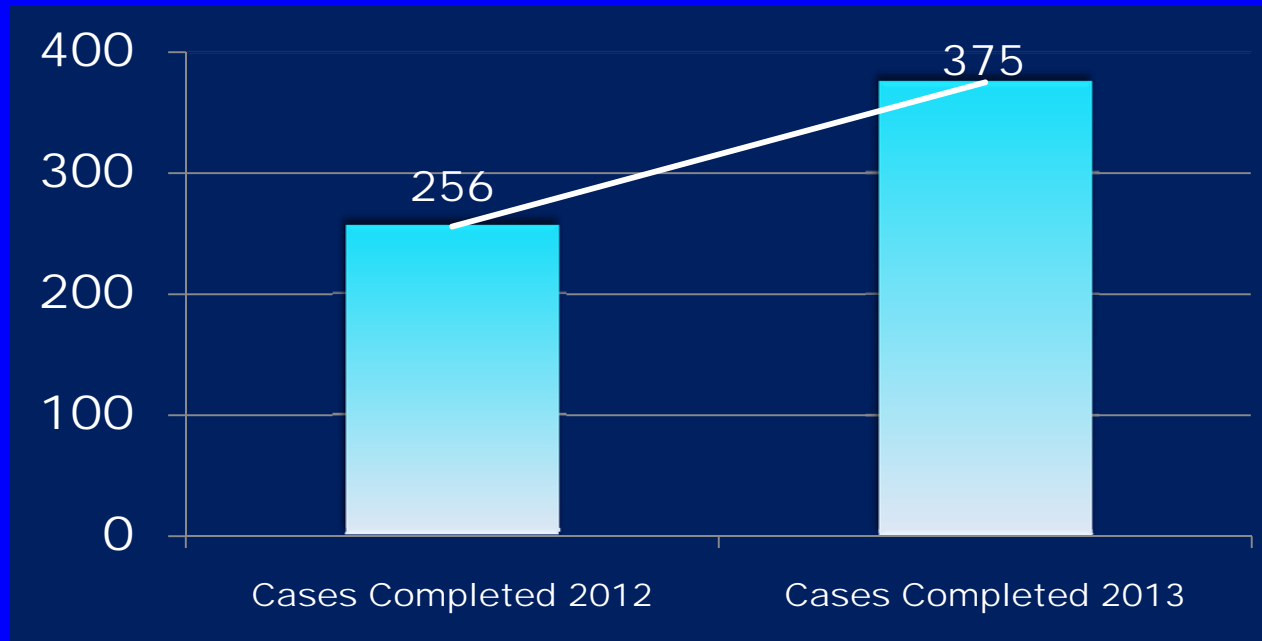
15% Increase in Firearms Productivity



- Created NIBIN Triage Process

LEAN Impact - Toxicology

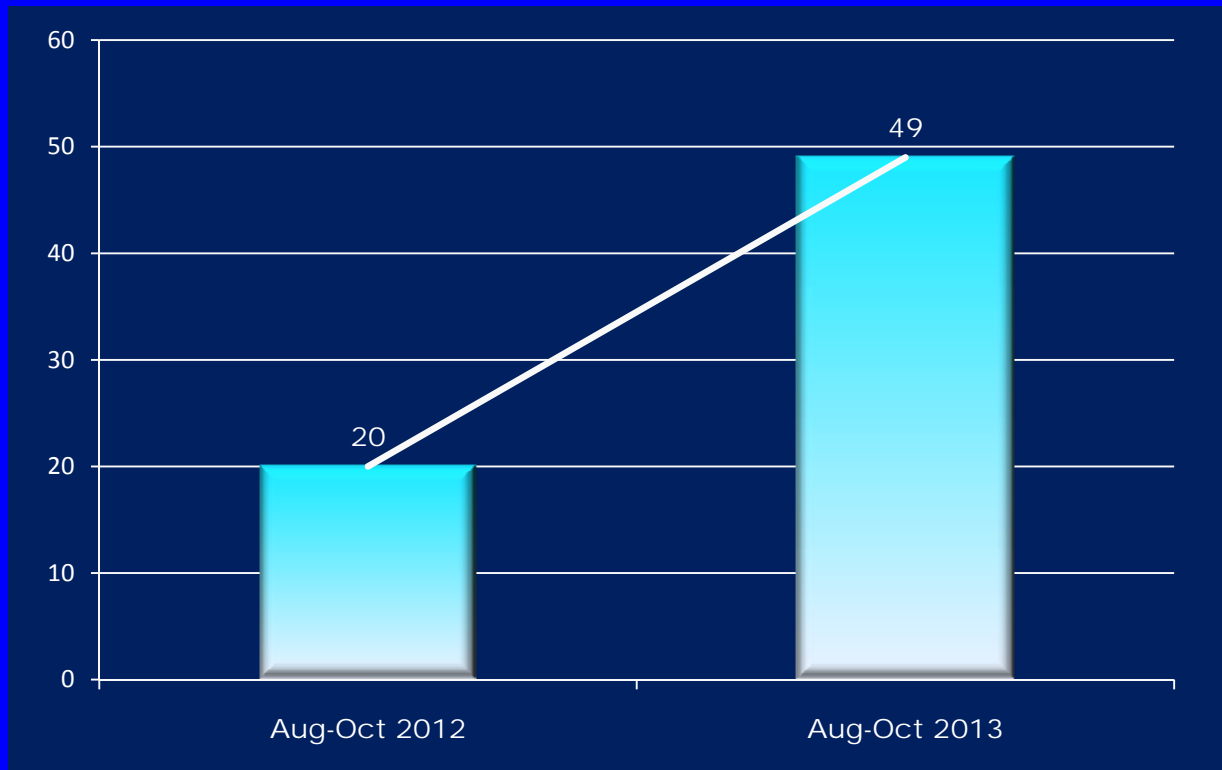
46% Increase in Toxicology Productivity



- Staff trained in confirmatory drug testing in Toxicology
- Organized case tracking

LEAN Impact – Computer Crimes

145% Increase in Productivity



- Streamlined case review flow
- Changed policy of the maximum number of Child Pornographic Images captured to 250 rather than an unlimited number

LEAN Impact – DNA and Forensic Biology

237% Increase in Productivity
DNA



- 40% of unnecessary paper work eliminated from case files
- LIMS system is used to track all case samples in the batch processing in real time for statistical analyses
- Color coding throughout DNA labs to facilitate locating pipettes and other small instruments
- Creation of a dedicated validation group

186% Increase in Productivity
Forensic Biology

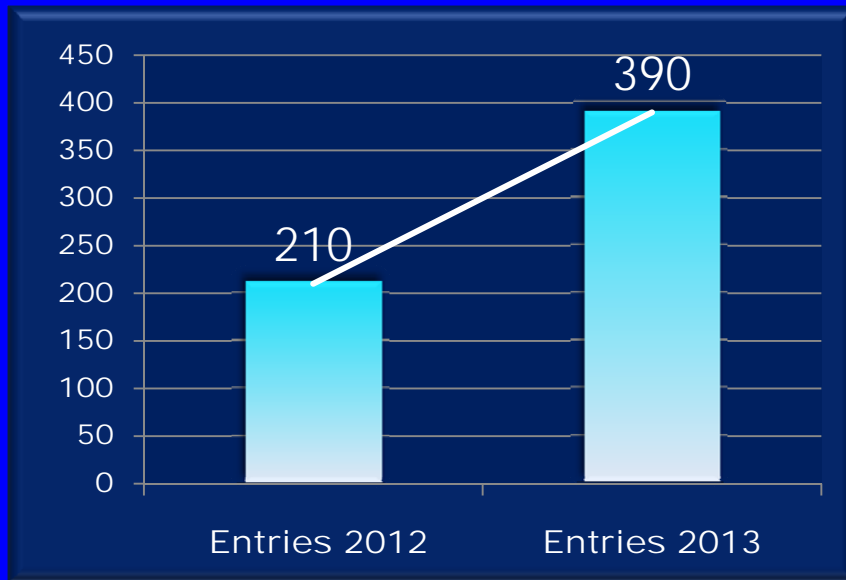


- Streamlined process to create a smoother flow of evidence examination in FB to samples forwarded for DNA processing
- IT programming utilized to decrease overall review time by 30% and increase editorial accuracy in paperwork
- Freezer storage areas are labeled and segregated to allow examiners to pull samples quicker

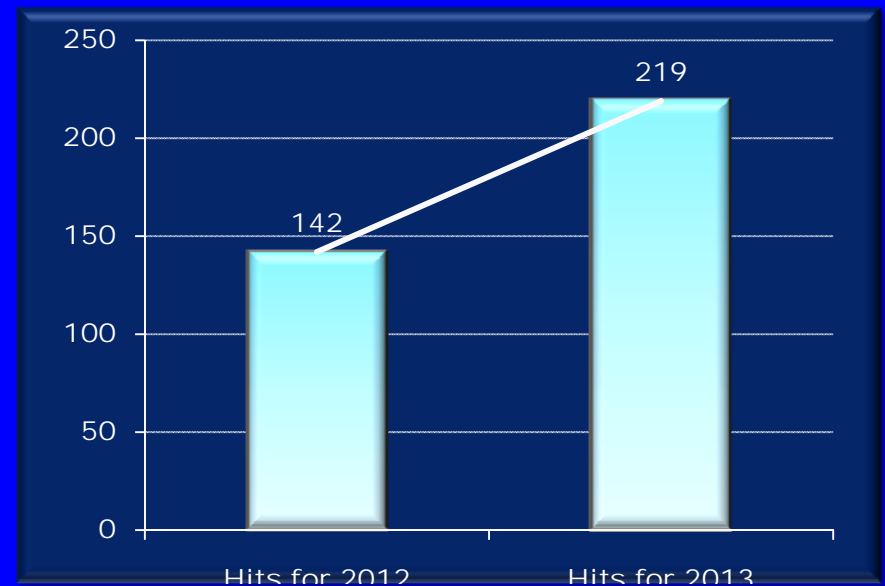
Downstream Impact

Backlog Reduction Impact - DNA

86% Increase of CODIS Entries

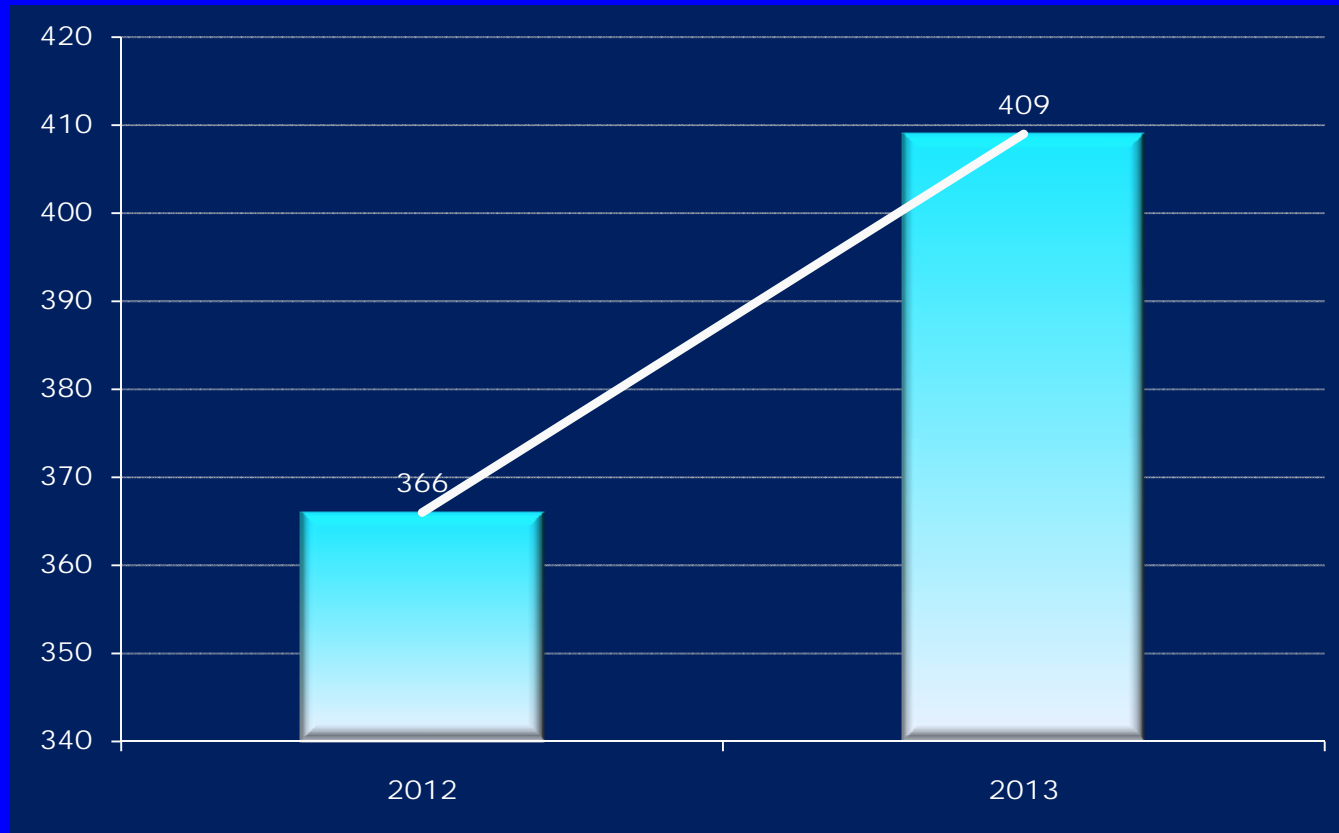


54% Increase of CODIS Hits



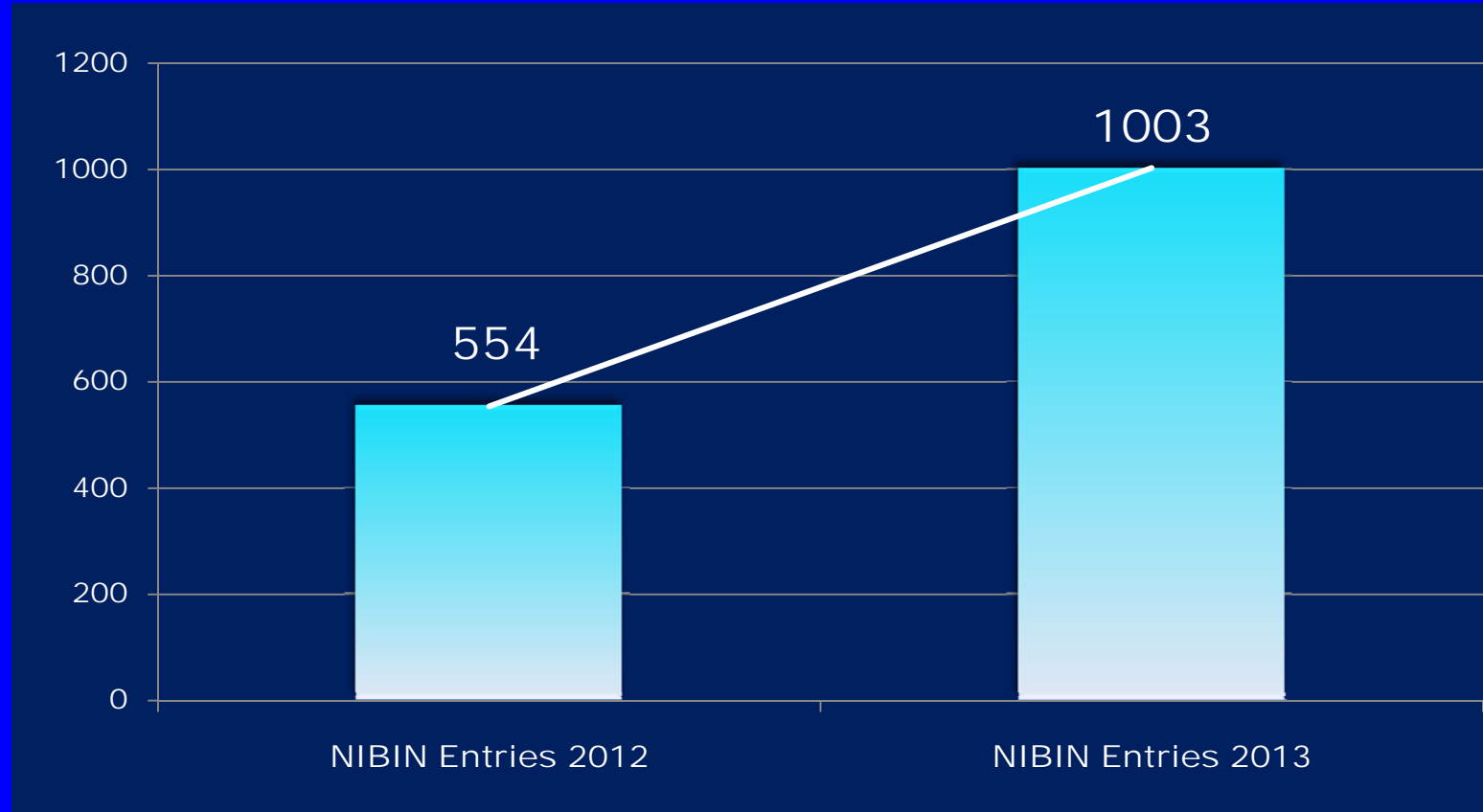
Backlog Reduction Impact - Latent Prints

12% Increase in AFIS Entries

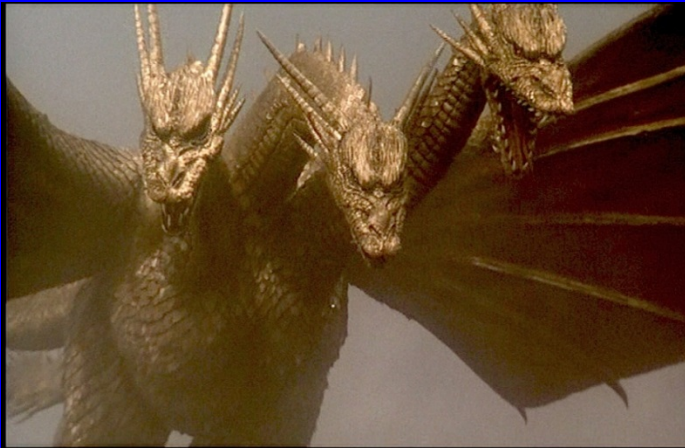


Backlog Reduction Impact - Firearms

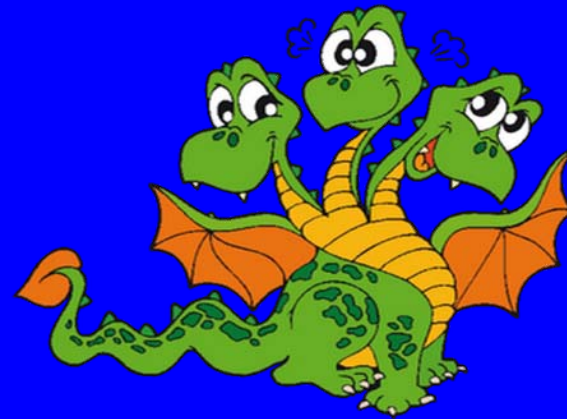
81% Increase in NIBIN Entries



Three Headed Dragon



2012



2013

- ✓ Operations
- ✓ Quality
- ✓ Backlog

Check-In: Quality

Challenge	Solution	Status
D18	Complete 4/1/13	✓
FB – No DNA	Complete 9/13	✓
ABI	Complete 12/13	✓
Data	Develop and Staff	✓
CODIS Audit	Response 3/25/13	✓
ASCLD/LAB ISO	Surveillance 4/16/13	✓
DNA DAS Audit	NFSTC Audit 6/13	✓

Check-In: Operations

Challenge	Solution	Status
Culture	New Vision	✓
Supervision	Management Structure	✓
Outdated Instrumentation	Capital Request	✓
Space	Capital Request	✓
Insufficient Staffing	Additional Staff Requested	✓
Inefficiencies	LEAN/Six Sigma Robotics Case Management	✓

Check-in

60 Day Turn-Around....Are we on Track?

Section	Original Time-line to Goal	Current Time-line to Goal
DNA/FB	July 2017	July 2015
Firearms	July 2015	September 2014
Toxicology	October 2014	March 2014
Computer Crimes	December 2015	October 2014
Latent Prints	March 2016* <small>*original typo</small>	October 2014

Future Paths for DSS

- Rapid DNA
- Advances in DNA Technology
- Cold Case Group
- White Collar Crimes
- Project VIC
- Next Generation Identification
- iPrelog/iResult
- Year End Reports
- Monthly Statistic Reports
- Revisiting Submission Rationing Guidelines
- Academic Collaborations