



Security<sup>®</sup>  
Standards Council

2024 Europe Community Meeting

# P2PE Program Enhancements



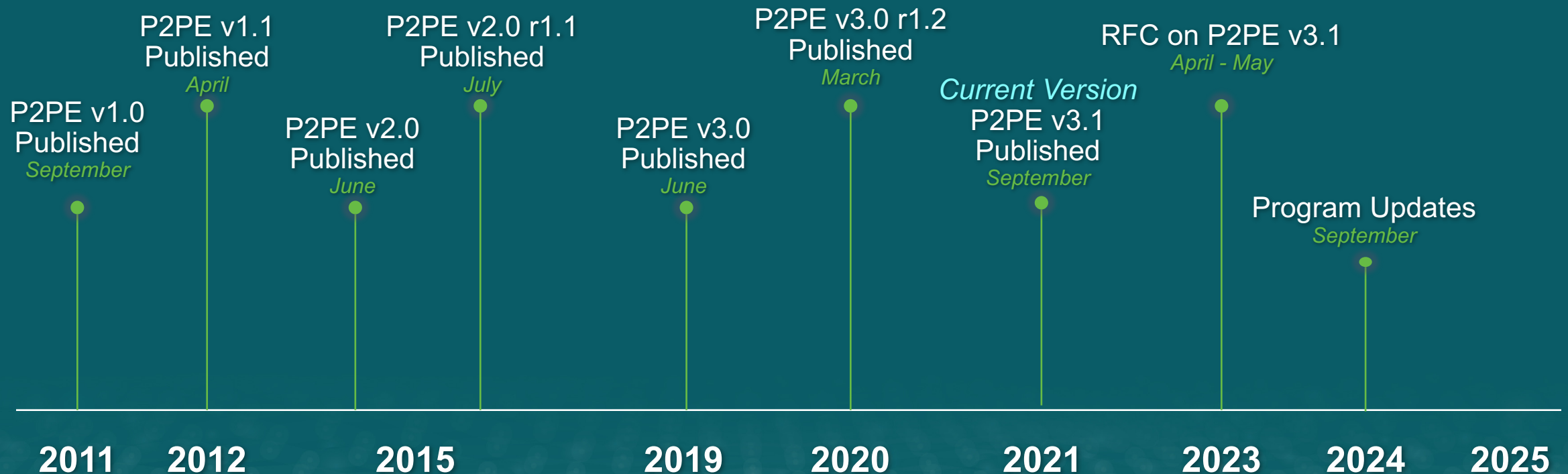
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PCI Security Standards Council



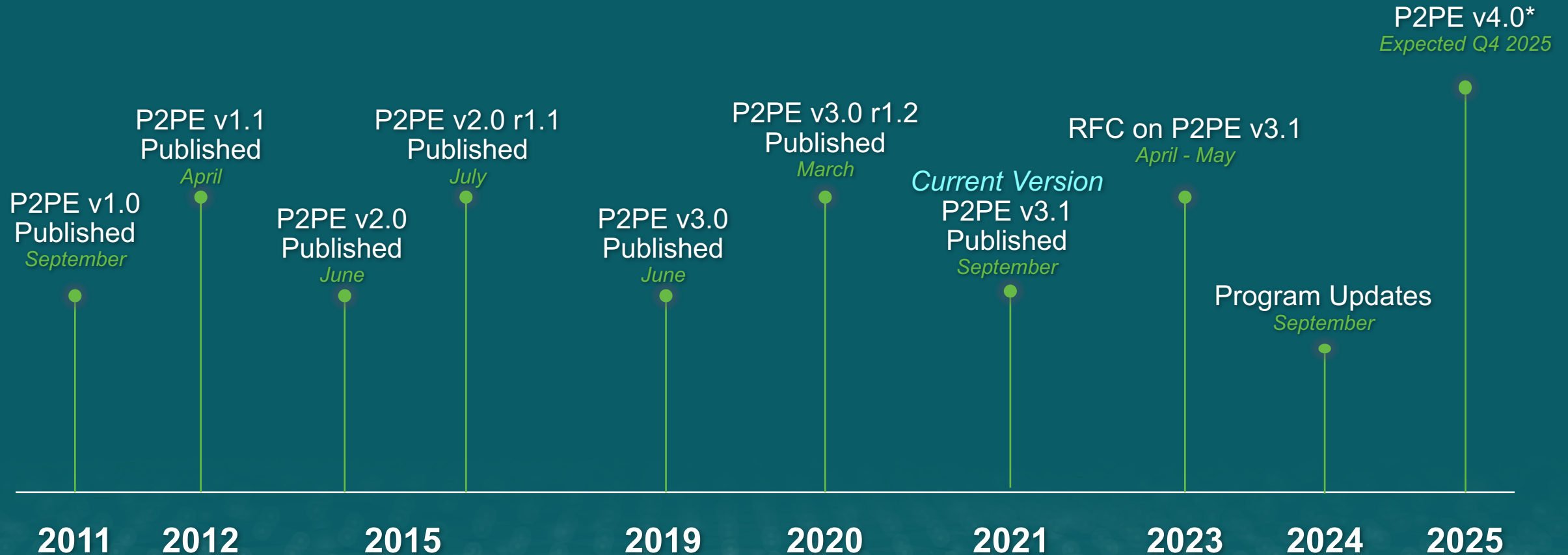
# PCI P2PE – A Brief History

They grow up so quickly



# PCI P2PE – A Brief History

They grow up so quickly



# P2PE – High Level View

Accept, Encrypt, Transmit, Decrypt

**Merchant Environment**



PCI-approved PTS POI (point-of-interaction) device using SRED (secure reading and exchange of data)






**Encrypted Account Data**

**Decryption Environment**

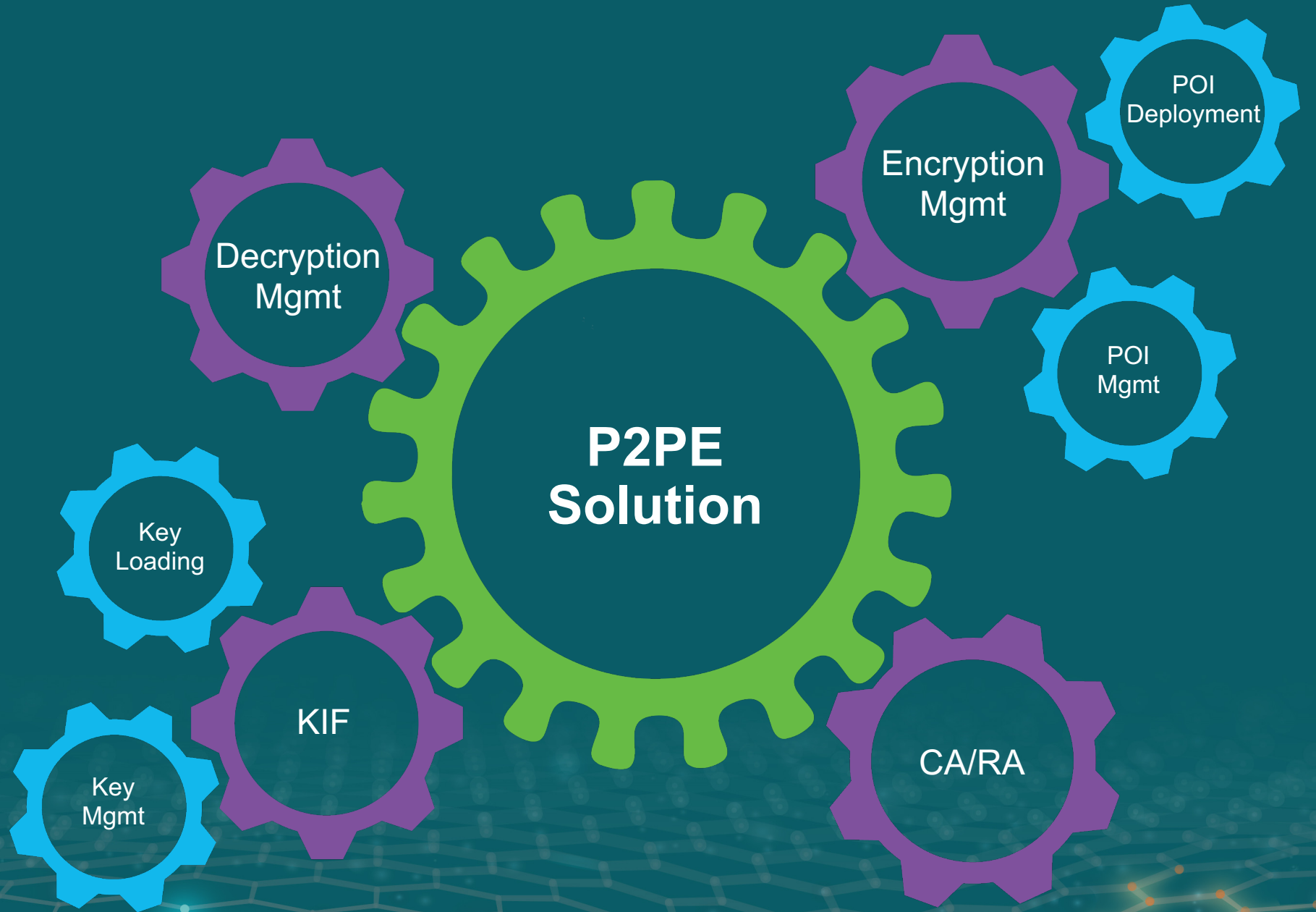


P2PE solutions cryptographically protect account data from the point where a merchant accepts the payment card to the secure point of decryption.

By using P2PE, account data (cardholder data and sensitive authentication data) is unreadable until it reaches the secure decryption environment.

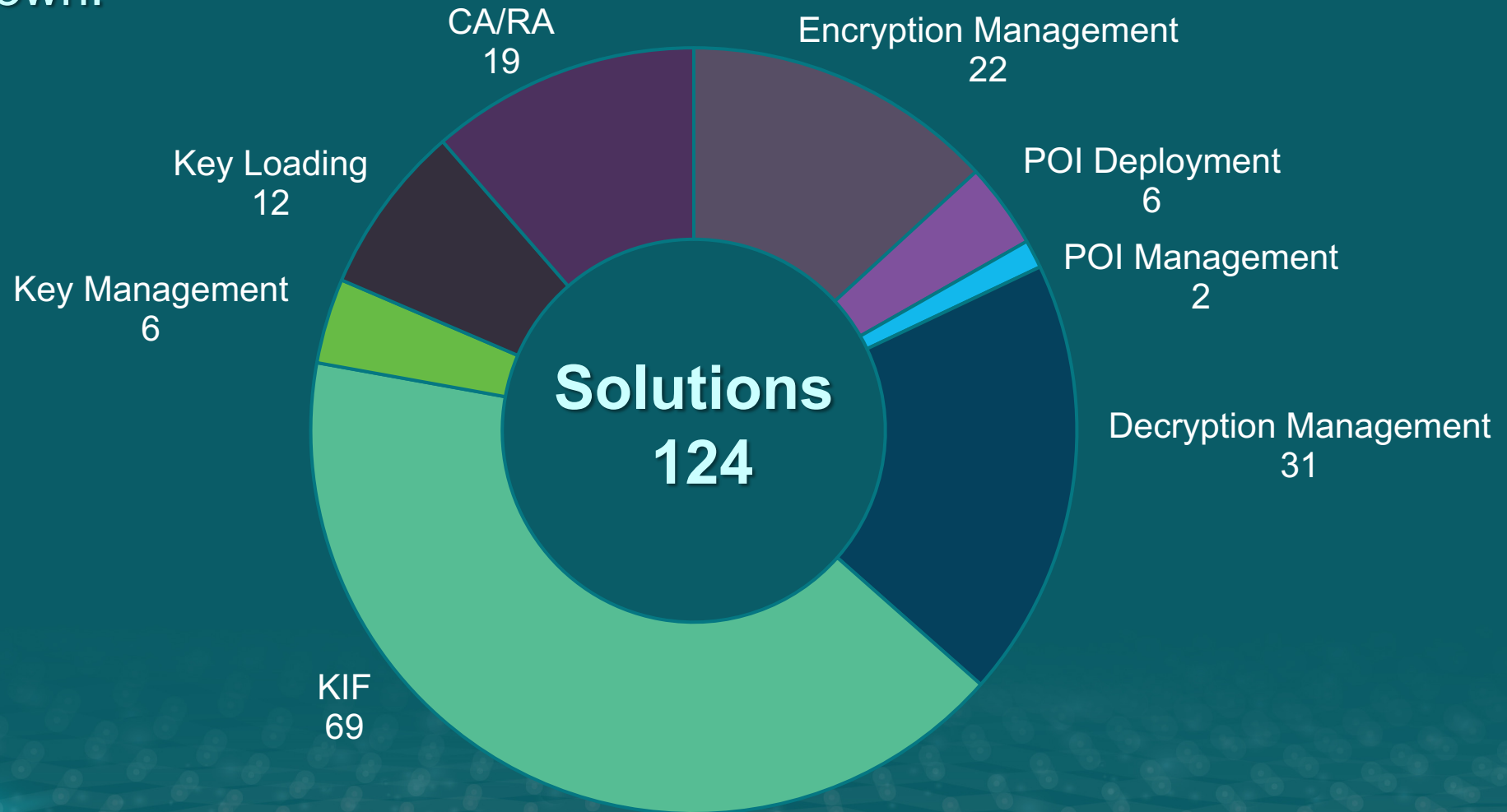
-  P2PE v1
-  P2PE v2
-  P2PE v3

# The Sum Of Its Parts



# P2PE Components

Break it Down!



# You Have Spoken!

- 
- 
- 
- 
-

# Amuse-bouche Anyone?

A program hors d'oeuvre  
as your starter



# This Just In – P2PE Program Documents Published

Extra, Extra – Read All About It!



## Updated and New Program Documents Just Published!

- ✓ Updated Program Guide v3.1
- ✓ New and Improved P-AOV v3.1
  - ✓ Updated PIM v3.1
- ✓ New Change Impact Template v1.0

## NEW Blog Post!

PCI SSC Unveils Enhancements to its  
Point-to-Point Encryption (P2PE)<sup>®</sup> Program





# Program Menu



A select offering to our stakeholders

N/A can be used by CPs re  
Symmetric/Asymmetric Keys

P2PE App deltas amend  
existing listing

CP Reassessments retain Ref#

Sampling criteria for PTS POI device  
testing

Listing explicit POI device HW/FW

New consolidated Change Impact  
Template

Admin + Delta Change Submission

Add RKD via Delta Change

Add Symmetric/Asymmetric Key  
Support via Delta

Consolidated single P-AOV

Revised PIM

Updated Program Guide

Updated P-ROV templates



**Bon Appétit!**

- PTS POI Device Testing
- Symmetric and/or Asymmetric Key Support for P2PE Components
- P2PE Application Deltas
- P2PE Component Reassessments
- Revised and Improved P2PE Attestation of Validation



# What's That On The Horizon, Captain?

# Shake the Magic 8 Ball

Revision Effort for v4.0 is Underway!



# But Wait, There Is More!

A few notable items being considered for P2PE v4.0



# Key Management Alignment

A tune-up, if you will

Currently under consideration:

- One set of requirements
- Potential replacement for, or alternative to, P2PE Domain 5
- Effort is in the initial stages
- Stakeholder feedback will be key



**THANK  
YOU**

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