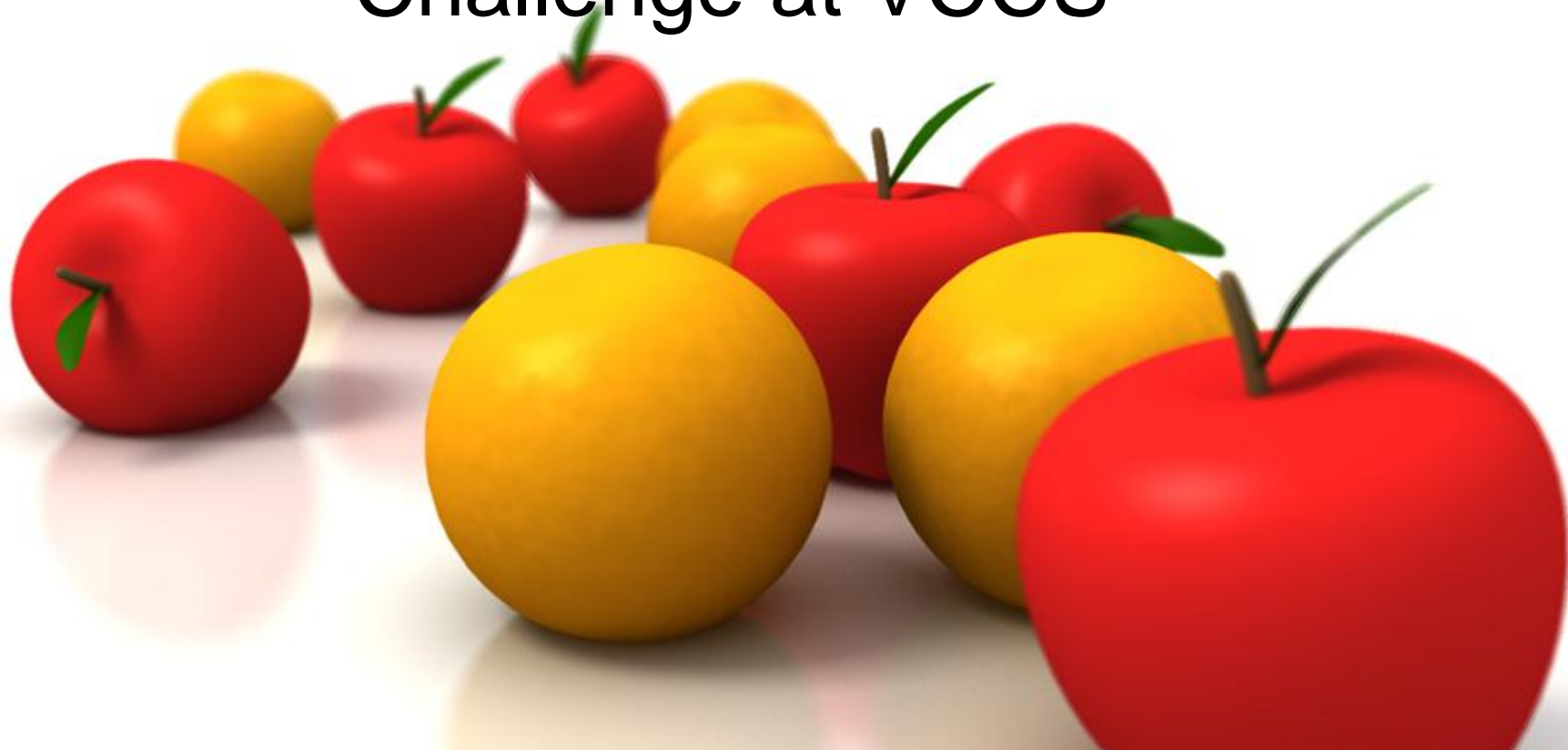


Embracing the Mobile Device/BYOD Challenge at VCCCS



Tom Bowers
CISO, VCCCS



VCCCS - Who we are

- 400,000 students annually
- 700,000 underemployed Virgians annually
- 23 Colleges, 40 campuses
- Range in size from 500 to 80,000 students
- 17,000 faculty / staff




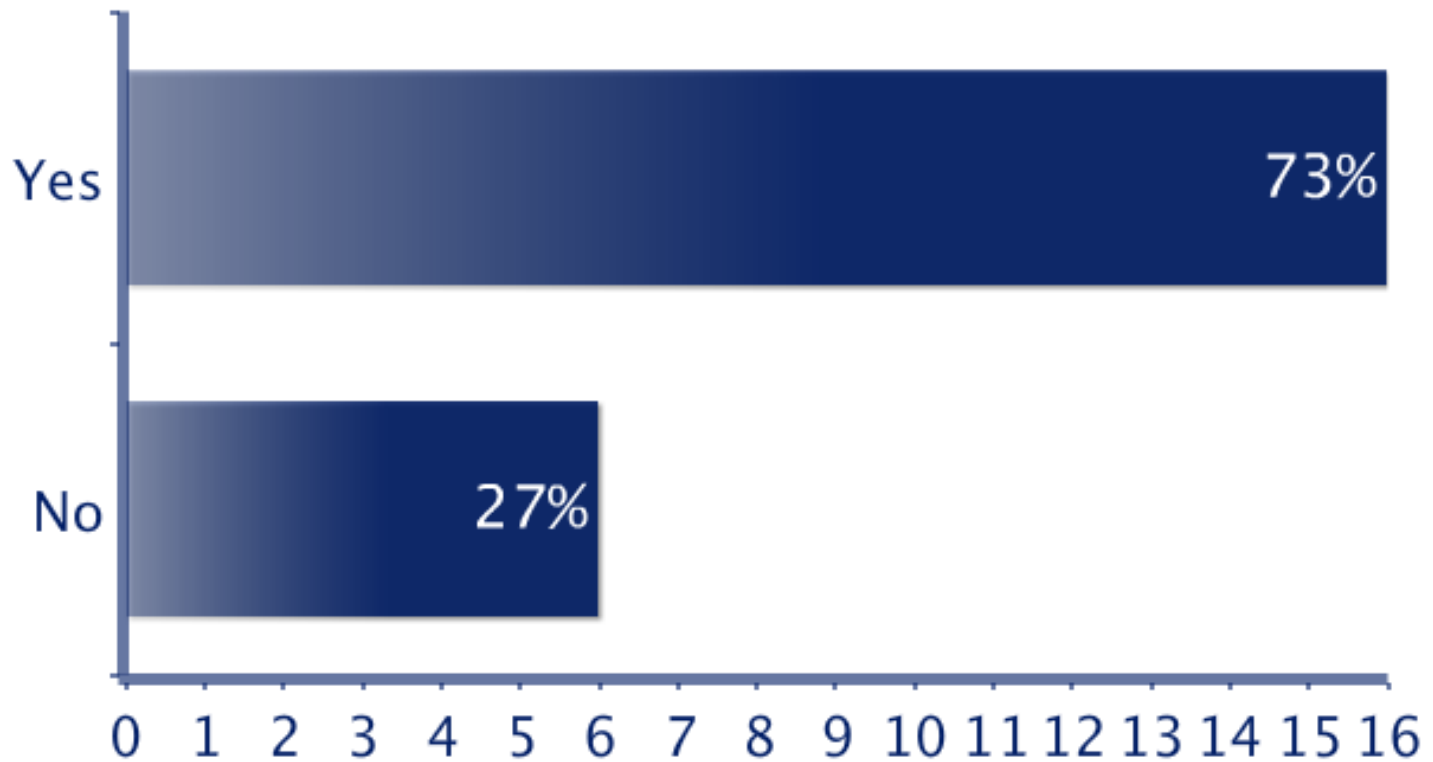
Enterprise Scale

- World's largest PeopleSoft SIS (20M records)
- One of the world's largest BlackBoard instances (peak 30M hits/month)




Does your college issue mobile devices (smartphones and tablets, not laptops)?

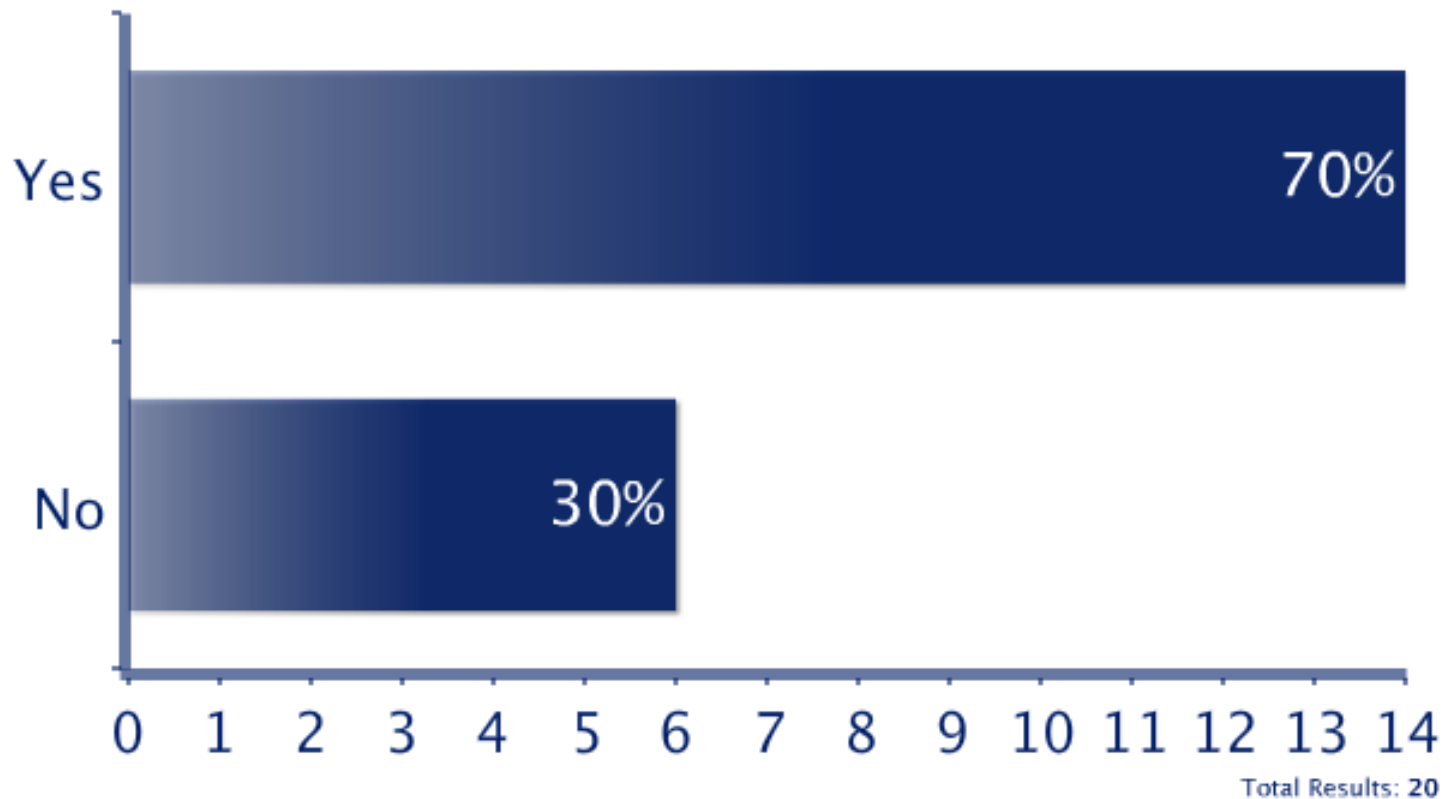
 **Start** this poll to accept responses




Total Results: 22

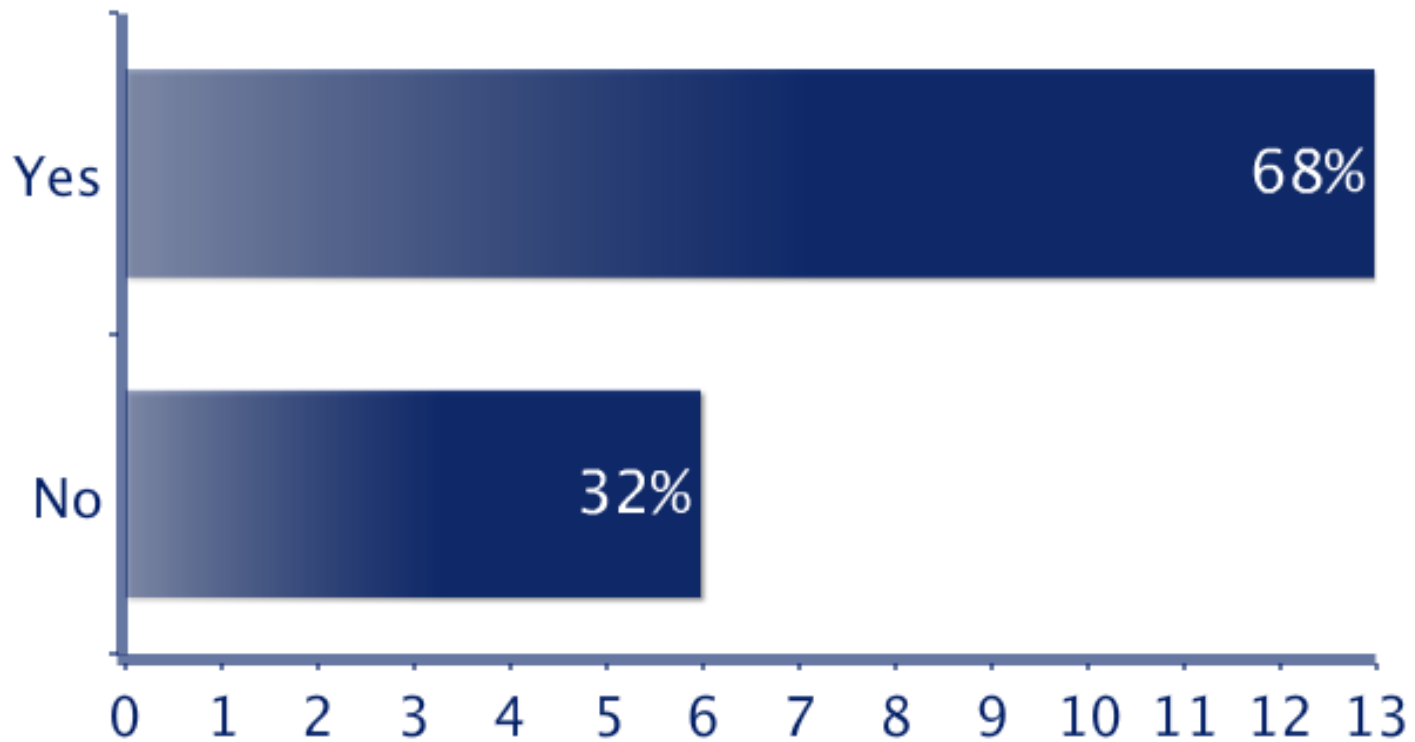
Does your college offer a stipend option to faculty and/or staff?

 **Start** this poll to accept responses



Do you provide support for personally owned mobile devices?


 **Start** this poll to accept responses

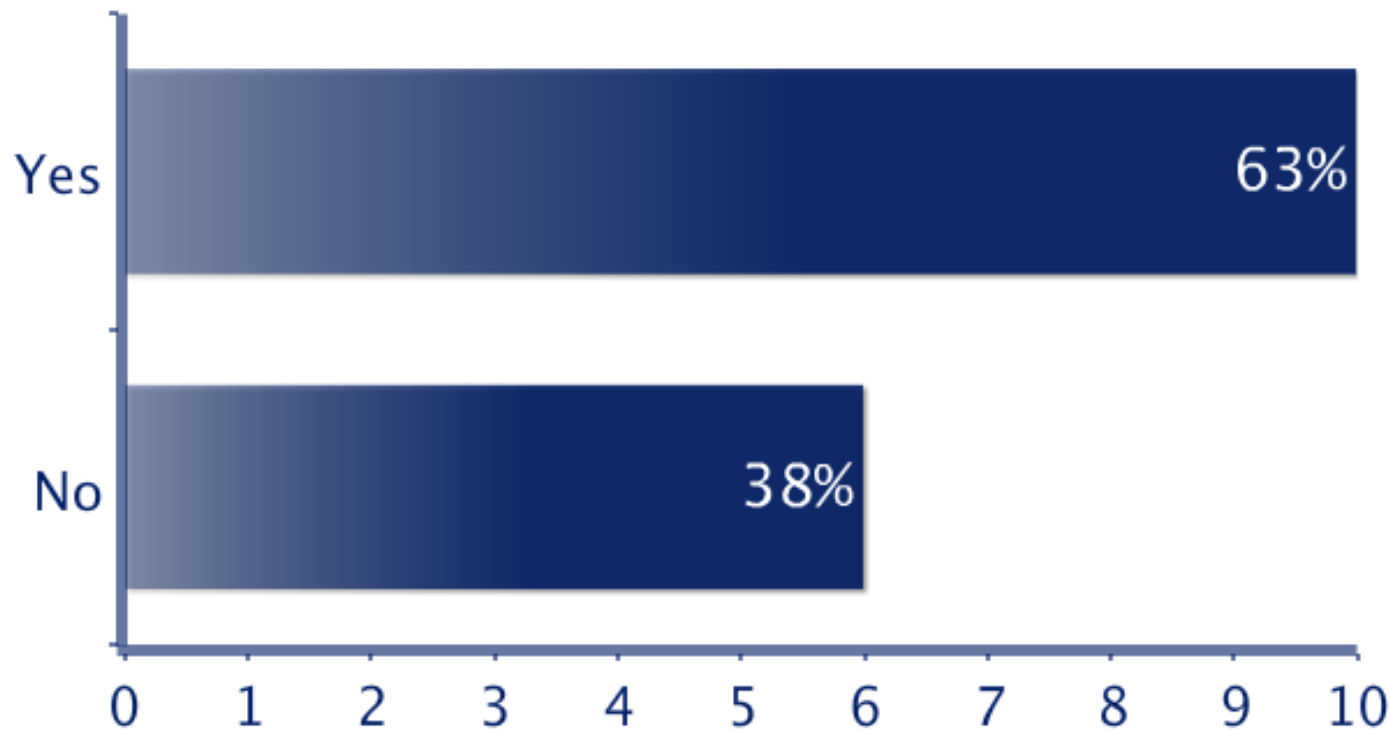


Total Results: 19



Is your college allocating budget for mobile device management tools?

 **Start** this poll to accept responses



Total Results: 16



What VCCS Needs to Solve

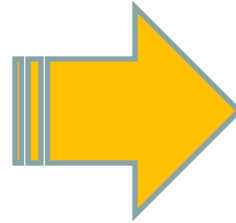
- Securing existing mobile devices
 - Agent based
 - Remote desktop
- Prepare for BYOD



New “Mobility”

Old

Mobility is focused on connecting an **enterprise employee**, using a standard **enterprise asset** managed in compliance with enterprise IT standards



New

Mobility is now about **securely projecting** the enterprises capability (applications) onto almost **any device, anywhere** that connectivity can be found



Differences between Mobile and Desktop

- Mobile devices are
 - Shared more often
 - Used in more locations
 - Prioritize user experience
 - Have multiple personas
 - Highly diverse



The New Wildcard (Location)



Data Risk Appetite

Minimal –
Legal, HR,
Security

Open – with
basic security

Cautious – allow
while considering
risk

Hungry – allow
all devices to
attract
younger talent



BYOD – What is involved?

- Human Resources – policies
- Legal – legal requirements
- Security – protecting sensitive information
- Learning – training users on options
- Governance – is mobile delivering value?
- IT – Persona management tools



What might we gain

- PC replacement cost avoidance
- Personnel cost avoidance
- Energy savings
- Data anywhere, anytime, any device



VCCS - Security

- Encryption
 - Entire device
 - Containers (Agent based)
- Remote wipe
- Virtualized desktops
- Strong authentication



Current Policy Development

- VITA / DOA
- Currently on third draft of VCCS policy
 - Mobile
 - BYOD
- Additional user AUP for BYOD



Mobile / BYOD Core Considerations

- You have a *published policy* on Mobility, BYOD & Workstation Security
- The *practice in your enterprise* matches the policy that is published
- Your *users understand their responsibilities* in a Mobile/BYOD environment
- You have the *technology in place* to ensure that the devices connecting into the enterprise are indeed compliant to the policy.



Questions?

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