



EDUCATION UNDER ATTACK

WHY LEGACY MFA IS NO LONGER ENOUGH

THE RISK

\$6.62B RANSOMWARE DOWNTIME (1 YEAR)

45% INSTITUTIONS HIT BY RANSOMWARE

\$3.79M AVG. HIGHER-ED BREACH COST

61% BREACHES TIED TO STOLEN CREDENTIALS

PASSWORDS + WEAK MFA = EXPOSED INSTITUTIONS.

THE PRESSURE

ESSENTIAL EIGHT MATURITY MODEL (E8MM)

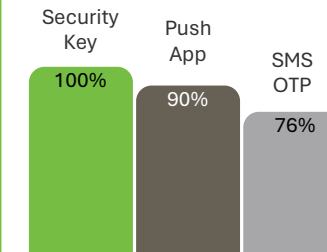
The Australian Signals Directorate (ASD) provides a maturity model to guide implementation, categorised into three levels, plus a "Level 0" representing a weak security posture:

- **Maturity Level 1:** Targeted at attackers using commodity tools (e.g., automated phishing).
- **Maturity Level 2:** Targeted at attackers with higher capability, focusing on increased security controls.
- **Maturity Level 3:** Targeted at advanced, persistent threats using tailored, adaptive techniques.
- **Not Mandatory, but Essential:** While not legally mandated for all Australian businesses, it is considered the minimum baseline for cybersecurity.

YUBIKEYS ENSURE MATURITY LEVEL 3 REQUIREMENTS ARE MET.

LEGACY MFA LEAVES GAPS

ATTACK PREVENTION RATES



LEGACY MFA PROBLEMS

- ✗ Phishable
- ✗ Interceptable
- ✗ Device-dependent
- ✗ High IT support burden
- ✗ Poor user experience

MODERN, PHISHING-RESISTANT AUTHENTICATION HARDWARE-BACKED SECURITY (YUBIKEY)



STOPS ACCOUNT TAKEOVERS



PHISHING-RESISTANT BY DESIGN



NO SHARED SECRETS



WORKS ACROSS DEVICES



PASSWORDLESS READY

PROVEN IMPACT

4X faster logins

92% fewer support tickets

1 key for all devices

0 account takeovers

PATH TO 100% MFA

- 1 SECURE PRIVILEGED USERS
- 2 CLOSE IDENTITY GAPS
- 3 REPLACE SMS & APP-BASED OTP
- 4 DEPLOY TO STAFF → FACULTY → STUDENTS

THE BOTTOM LINE

EDUCATION IS THE MOST TARGETED SECTOR.
REGULATION AND INSURANCE DEMAND STRONGER CONTROLS.
LEGACY MFA ISN'T ENOUGH.

PHISHING-RESISTANT, HARDWARE-BACKED MFA DELIVERS 100% PROTECTION — AT SCALE.



LET'S TALK ABOUT SECURING YOUR EDUCATION ECOSYSTEM BEFORE THE NEXT INCIDENT MAKES HEADLINES

Source: Yubico White Paper – Graduating from Legacy MFA to Modern Authentication

SPEAK TO THE EXPERTS