Vulnerability Assessment and Penetration Testing

BROADCAST AUDIENCE RESEARCH COUNCIL INDIA

Report Issued on: January 22, 2024

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Objective

1	The objective of this exercise was to assess the BARC India -Web, Mobile and Thick Client Applications defense against vulnerabilities that may pose a threat to its systems and the organization.
2	The report also aims at providing recommendations and guidelines against such threats, which help in protecting the confidentiality and integrity of the systems and the application.

Methodology

1	The test was performed using the Automated and Manual Testing Methodology

Approach

1	Audit type – Black & Grey Box testing

Scope

1 We reviewed the Comprehensive Information security of critical BARC applications by performing VAPT (Vulnerability assessment and Penetration testing) and application security activities.

2 The review activities were performed both internally (on site) and externally.

Application	Internal Vulnerability Assessment	External Penetration testing	Application Security review
Dashboard to deliver the survey data (Web)	Y	Y	Y
Survey application for HH TV details (Mobile)	Y	Y	Y
Authentication of survey data	Y	Y	Y
Application to start with HH survey	Y	Y	Y
Software to investigate HH anomalies	Y	Y	Y
Software to track infiltration HH details	Y	Y	Y
Software for ID conversion	Y	Y	Y
Data Validation Platform	Y	Y	Y
Dashboard for deliver the respondent level viewership data	Y	Y	Y
Software for managing the vigilance cases	Y	Y	Y
BARC INDIA web site	Y	Y	Y
Repository for all ID data	Y	Y	Y
ERP System (financial data)	Y	Y	Y
Digital Audience measurement application	Y	Y	Y
Application for release of viewership data	Y	Y	Y
Television Audience measurement tool	Y	Y	Y

Executive Summary

Application	Testing & Review	End Result
Dashboard to deliver the survey data (Web)	Yes	No new vulnerabilities found during reassessment.
Survey application for HH TV details (Mobile)	Yes	
Authentication of survey data	Yes	
Application to start with HH survey	Yes	
Software to investigate HH anomalies	Yes	
Software to track infiltration HH details	Yes	
Software for ID conversion	Yes	
Data Validation Platform	Yes	
Dashboard for deliver the respondent level viewership data	Yes	
Software for managing the vigilance cases	Yes	
BARC INDIA web site	Yes	
Repository for all ID data	Yes	
ERP System (financial data)	Yes	
Digital Audience measurement application	Yes	
Application for release of viewership data	Yes	
Television Audience measurement tool	Yes	

Note: All Vulnerabilities are patched except few that do not have direct impact on the business and marked as low.

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