# Broadcast Audience Research Council (BARC)

VAPT AND APPLICATION SECURITY

# Objective

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| 1 | The objective of this exercise was to assess the BARC India -Web Application 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

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

# Approach

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| 1 | Audit type - White 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. |
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| 2 | All the review activities were performed onsite |

| Applications | Internal Vulnerability Assessment | External Penetration testing | Application Security review |
|---|---|---|---|
| Meters Management Software | Y | Y | Y |
| Alarm Management Software | Y | Y | Y |
| State-wise Watermarking monitoring | Y | Y | Y |
| Panel incentive Software | Y | Y | Y |
| ID management Software | Y | Y | Y |
| Data Release software | Y | Y | Y |
| Assets management Software | Y | Y | Y |
| Panel management Software | Y | Y | Y |

# Executive Summary

| Applications | Testing and review | Result |
|---|---|---|
| Meters Management Software | Yes | |
| Alarm Management Software | Yes | |
| State-wise Watermarking monitoring | Yes | |
| Panel Incentive Software | Yes | |
| ID Management Software | Yes | **No Vulnerability Found** |
| Data Release software | Yes | |
| Assets Management Software | Yes | |
| Panel Management Software | Yes | |

# Thank You

This presentation is solely for the information of Company management and should not be used, circulated, quoted or otherwise referred to for any other purpose, nor included or referred to in whole or in part in any document without our prior written consent. As it is practically not possible to study all aspects of a process in its entirety thoroughly during the limited time period of performing agreed-upon procedures, based on our methodology, we conducted a review of the process and held discussions with the process owners and other key people in the process during the planning stage of audit which helped us in identifying specific areas where control weaknesses & process gaps may exist, opportunities for process improvement and/or cost reduction/revenue enhancement. Our subsequent test work, study of issues in detail and developing action plans are directed towards the issues identified. Consequently this report may not necessarily comment on all the function/process related matters perceived as important by the management. This work is not primarily directed towards detection of fraud or other irregularities. The issues identified and proposed action plans in this report are based on our discussions with the people engaged in the process, review of relevant documents/records and our physical observation of the activities in the process. We made specific efforts to verify the accuracy and authenticity of the information gathered only in those cases where it was felt necessary. The work carried out and the analysis thereof is based on the interviews with the personnel and the records provided by them. The identification of the issues in the report is mainly based on the review of records, sample verification of documents/transactions and physical observation of the events. As the basis of sample selection is purely judgmental in view of the time available, the outcome of the analysis may not be exhaustive and representing all possibilities, though we have taken reasonable care to cover the major eventualities.