

Access Rights Adjustment

1.0 Access Rights Adjustment (ARA)

1.1 General Description

Access Rights Adjustment measures the overall timeliness of the organization's review of access rights for systems or property with impact on supply chain security.

1.2 Purpose

This measurement is used to quantify the timeliness in the completion of scheduled access right reviews which will help prevent unauthorized access.

1.3 Applicable Business Categories

This measurement applies to all business categories.

1.4 Detailed Description

a) Terminology

- Access rights – Privileges assigned to anyone related to the use of computer systems or physical access to areas controlled by the organization

- Supply chain security impact – an event or conditions with potential impact on the security of organizations within the supply chain

- Privileged access – a user that is authorized (and therefore trusted) to perform security relevant functions that ordinary users are not authorized to perform. Note – NIST On-line Glossary source special publication 800-171 and 800-53

b) Counting Rules

- 1) The organization shall conduct periodic reviews of access rights.
- 2) The results of those reviews shall be reported monthly.
- 3) Any instance where access rights were not adjusted within the time frame determined by the organization's documented policy shall be counted as late.
- 4) Every instance falling within the review period of a change in circumstance of an employee, contractor, or anyone else for which access rights are applicable shall be included.
- 5) Events for which time frames for adjustment are established shall include as a minimum hiring, firing, quitting, and reassignment.

c) Counting Rule Exclusions

- 1) Any event involving an employee with no specified access shall be excluded.

Access Rights Adjustment

d) Calculations and Formulas

Table 1-1 ARA Notation

Identifier	Business Categories	Definition
ARc	All	Number access right adjustments due in the month and not completed on time
ARd	All	Number of access rights adjustments due in the month

Table 1-2 ARR Measurement Identifiers and Formulas

Identifier	Title	Formula	Note
ARA	Access Rights Adjustment	$100 \times (ARc / ARd)$	% completed on time

e) Reported Data and Format

- 1) Monthly data shall be reported per the frequency and method noted in the SCS 9001 Data Reporting System documentation.
- 2) The ARA measurement shall be reported for each month and each business category with data elements as shown in Table 1-3.

Table 1-3 ARR Data Table

Identifier	Value
MeasurementID	ARA
ARC	Number access right adjustments due in the month and not completed on time
ARD	Number of access rights adjustments due in the month

1.5 Sources of Data

Data for the ARR measurement are derived from

- 1) the organization's access rights adjustment documented schedule
- 2) the organization's access rights adjustment completion records

1.6 Example Calculations

TBD