

19795-5:2011

“Access control scenario and grading scheme”

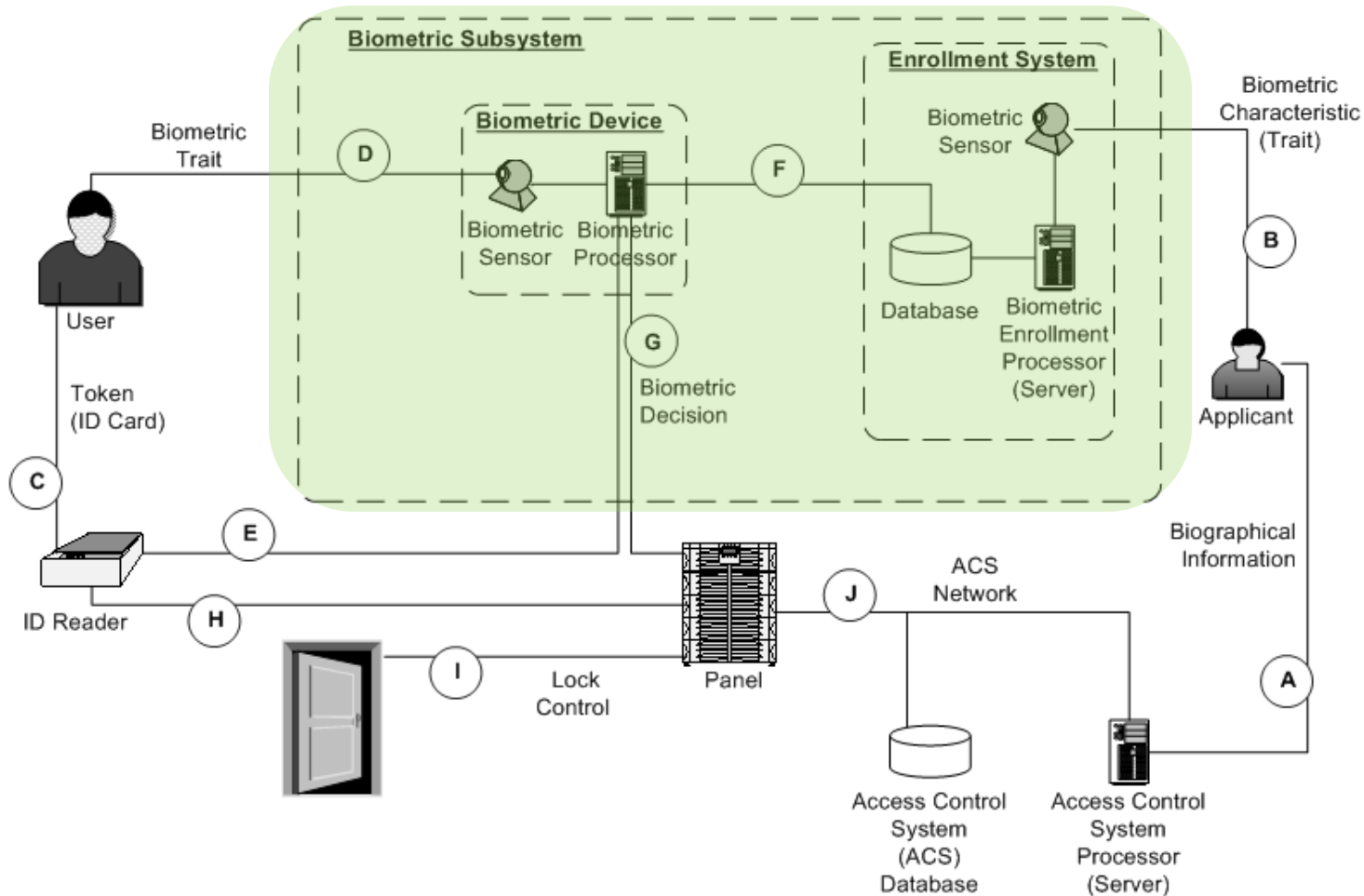
Rick Lazarick, Editor

What makes Part 5 different?

- Special case of **Scenario** test (part 2)
- Focus on **Access Control**
- **Grading scheme**¹ (multi-purpose and reusable)
 - Used for test reporting and requirements specification
 - One test – many consumers

¹ NVLAP 150-25, Scope 30GPT

Isolates the Biometric part from the PACS



Grading Quantified

GRADE	FTE	FRR* +	TIME*
0	>7.7%	>7.00%	>6 sec
1	<7.7%	<7.00%	<6 sec
2	<3.5%	<5.00%	<5 sec
3	<1%	<3.33%	<4 sec
4		<2.00%	<3 sec
5		<1.00%	
6		<0.33%	

* Graded at FAR = 0.1%. 0.3% and 1.0%
 + Graded for single attempt and transaction

Table 8 — Sample summary of test results for all grades

Target FAR	0.1%	0.3%	1.0%
FRR Grade	3	4	5
Threshold value	120	97	90
FRR_1 Grade	2	3	4
Threshold value_1	98	73	64
FTE Grade	3		
Transaction time Grade	1	2	4

The Benefits of Grading

- “One size fits many” – multiple consumers, re-usable
- Standardized practices support “Third Party” testing*
- **Test results are comparable across products (modalities and models), across time, and between testing organizations (termed “Universality”)**
- Reduced overall testing costs

“By standardising the test protocol and the quantification of performance into simple grade levels, the results of one product test can be leveraged by multiple users in different applications.”