

Questionnaire for evaluating ReqCity

(with answers highlighted)

#	Category	Excel+Graph	ReqCity
1	Simple	<p>Are there requirements that fail (score of 0) the Complete (C4) characteristic?</p> <p>a. Yes b. No</p>	<p>Are there requirements that have a score of 1 for Complete (C4) characteristic?</p> <p>Hint: C4 is mapped to color of the requirement building block</p> <p>a. No b. Yes</p>
2	Simple	<p>How many well-formed requirements are there in the NYC-CVPD SyRS document?</p> <p>Hint: Well-formed if score is 1 for all characteristics. In ReqCity, this is denoted by floating diamond on the requirement building block.</p> <p>a. 395 b. 0 c. 35 d. 7</p>	<p>How many well-formed requirements are there in the NYC-CVPD SyRS document?</p> <p>Hint: Well-formed if score is 1 for all characteristics. In ReqCity, this is denoted by floating diamond on the requirement building block.</p> <p>a. 395 b. 35 c. 0 d. 7</p>
3	Complex	<p>Requirement 0.3.8.2.5.1 is at Level 4. Please state what section it belongs to? Also, state the parent section at Level 2 for this requirement.</p> <p>Level 4: 0.3.8.2.5 - Intersection Movement Assist; Level 2: 0.3.8 - Application Requirements</p>	<p>Requirement 0.3.8.4.1.31 is at Level 4. Please state what section does it belong to? Also, state the parent section at Level 2 for this requirement.</p> <p>Level 4: 0.3.8.4.1 - Mobile Accessible Pedestrian Signal System; Level 2: 0.3.8 - Application Requirement</p>
4	Complex	<p>Which requirement in section <u>0.3.8.3.4 - Red Light Violation Warning</u> has the highest number of characteristics with a score below 0.67?</p> <p>a. 0.3.8.3.4.3 b. 0.3.8.3.4.5 c. 0.3.8.3.4.11 d. 0.3.8.3.4.8</p>	<p>Which requirement in section <u>0.3.2.1 - Vehicle Performance Monitoring</u> has the highest number of characteristics with a score above 0.67?</p> <p>a. 0.3.2.1.10 b. 0.3.2.1.7 c. 0.3.2.1.1 d. 0.3.2.1.3</p>

5	Complex	<p>Compare two sections (A) 0.3.2.4 - Event Data Collection and (B) 0.3.8.3.4 - Red Light Violation Warning for the characteristics Feasible (C6) and Consistent (C11)</p> <ol style="list-style-type: none"> (A) performs better for both C6 and C11 (B) performs better for both C6 and C11 (A) performs better for C6, while (B) performs better for C11 (B) performs better for C6, while (A) performs better for C11 	<p>Compare two sections (A) 0.3.2.1 - Vehicle Performance Monitoring and (B) 0.4.10- Vehicle Data Bus for the characteristics Feasible (C6) and Consistent (C11)</p> <ol style="list-style-type: none"> (B) performs better for C6, while (A) performs better for C11 (B) performs better for both C6 and C11 (A) performs better for C6, while (B) performs better for C11 (A) performs better for both C6 and C11
6	Simple	<p>For Requirement 0.3.5.2.16, state which characteristics are not satisfied (score < 1) and which rules are causing this failure.</p> <p>Unambiguous(C3), Complete(C4), Verifiable(C7); R07 (Vague terms), R25 (Headings)</p>	<p>For Requirement 0.3.8.1.37, state which characteristics are not satisfied (score < 1) and which rules are causing this failure.</p> <p>Unambiguous (C3), Complete (C4), Verifiable (C7), Feasible_S (C12); R07 (Vague terms), R25 (Headings), R34 (Measurable Performance)</p>
7	Complex	<p>For Requirement 0.3.2.1.7, state which characteristics are satisfied (score = 1) and how many rules does this requirement pass.</p> <p>Appropriate(C2), Complete Set (C10); 20 Rules</p>	<p>For Requirement 0.3.2.4.8, state which characteristics are satisfied (score = 1) and how many rules does this requirement pass</p> <p>Complete Set (C10); 20 Rules</p>
8	Complex	<p>Evaluate section 0.4.4 for set-level characteristics (C10-C15). List the characteristics for which Section 0.4.4 performs the best and the worst? Looking at all set-level characteristics of this section, suggest a requirement that adversely impacts performance of the section overall. (Response Format: Best - C12, Worst - C10, 0.4.4.1)</p> <p>Best – Complete Set (C10), C2 Worst - Feasible Set (C12)</p>	<p>Evaluate section 0.3.2.1 for set-level characteristics (C10-C14). List the characteristics for which Section 0.3.2.1 performs the best and the worst? Looking at all set-level characteristics of this section, suggest a requirement that adversely impacts performance of the section overall.</p> <p>Best – Complete Set (C10), C2 Worst – Feasible Set (C12) , Worst: 0.3.2.1.7</p>

		Worst: 0.4.4.4	
9	Simple	<p>How many requirements are derived from Need 505?</p> <p>a. 10</p> <p>b. 8</p> <p>c. 6</p> <p>d. 5</p>	<p>How many requirements are derived from Need 101.2?</p> <p>a. 8</p> <p>b. 5</p> <p>c. 10</p> <p>d. 6</p>
10	Complex	<p>Find the requirements derived from the need with NeedID 402.</p> <p>Based on characteristic scores for C11 do you think the Need could be met? (all requirements score >0.67). If No, mention the requirement IDs of requirements that lead to it.</p> <p>(Response Format: No, Req IDs:)</p> <p>YES</p>	<p>Find the requirements derived from the need with NeedID 103.</p> <p>Based on characteristic scores for C11 do you think the Need could be met? (all requirements score >0.67). If No, mention the requirement IDs of requirements that lead to it.</p> <p>Yes</p>