SRE ASSIGNMENT NO# 1 REQUIREMENT VALIDATION

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SECTION: P

DATED: 12 December 2021

SUBMITTED TO: DR KHUBAIB AMJAD

RS 1:

Title: CTC NETWORK

ARM Findings:

The counts of IMPERATIVE components found in the directory file 2001 - ctc network.txt are shown in the Table below.

IMPERATIVE	OCCURRENCE		
ARE APPLICABLE	0		
ARE TO	0		
IS REQUIRED TO	0		
MUST	3		
RESPONSIBLE FOR	0		
SHALL	91		
SHOULD	0		
WILL	19	l .	
	TOTAL	113	

<u>Imperatives:</u> There are 113 total imperatives, out of which 91 are shall (functional requirements), 19 are will (interface requirements), which shows that this requirement is descriptive. "Shall" is not used even once. This will lead to high levels of understandability, and increase clearness.

The counts of CONTINUANCE components found in the directory file 2001 - ctc network.txt are shown in the Table below.

CONTINUANCE	OCCURRENCE	
:	75	
AND	51	
AS FOLLOWS:	2	
BELOW:	0	
FOLLOWING:	0	
IN PARTICULAR:	0	
LISTED:	0	
SUPPORT:	0	
	TOTAL	128

Continuances: There are 128 total continuances, out of which 75 are and, 51 are ": " which shows that this requirement has amalgamation. This will lead to ambiguity.

The counts of DIRECTIVE components found in the directory file 2001 - ctc network.txt are shown in the Table below.

DIRECTIVE	OCCURRENCE		
E.G.	2		
FIGURE	1		
FOR EXAMPLE	0		
I.E.	3		
NOTE:	0		
TABLE	90		
	TOTAL	96	

<u>Directives:</u> There are 90 total directives, which shows that this requirement has large number of models and explanations. This will lead to higher level of understandability.

The counts of OPTION components found in the directory file
2001 - ctc network.txt are shown in the Table below.

OPTION

CAN

MAY

OPTIONALLY

OPTIONALLY

TOTAL

6

Option: There are 6 total options, which shows that this requirement has small number of optional requirements. This will lead to clarity and higher level of understandability.

The counts of WEAK PHRASE components found in the directory file 2001 - ctc network.txt are shown in the Table below.

WEAK PHRASE	OCCURRENCE		
ADEQUATE	0		
AS APPROPRIATE	0		
AS REQUIRED	0		
BE ABLE TO	26		
BE CAPABLE OF	3		
CAPABILITY OF	0		
CAPABILITY TO	1		
EASY TO	0		
EFFECTIVE	0		
NORMAL	4		
PROVIDE FOR	0		
TIMELY	0		
	TOTAL	34	

Weak Phrases: There are 34 total weak phrases, which shows that the requirement is unverifiable and incomplete. This will lead to ambiguity.

The counts of INCOMPLETES components found in the directory file 2001 - ctc network.txt are shown in the Table below.

INCOMPLETES	OCCURRENCE	
AS A MINIMUM	0	
BUT NOT LIMITED TO	0	
NOT DEFINED	0	
NOT DETERMINED	0	
TBC	0	
TBD	5	
TBE	0	
TBR	0	
TBS	0	
	TOTAL 5	

<u>Incomplete Phrases:</u> There are 5 incomplete phrases, which shows that this document is incomplete. This will lead to ambiguity

RS 2:

Title: **BEYOND**

ARM Findings:

The counts of IMPERATIVE components found in the directory file 2001 - beyond.txt are shown in the Table below.

IMPERATIVE	OCCURRENCE	
ARE APPLICABLE	1	
ARE TO	0	
IS REQUIRED TO	0	
MUST	16	
RESPONSIBLE FOR	0	
SHALL	3	
SHOULD	55	
WILL	38	
	TOTAL	113

<u>Imperatives:</u> There are 113 total imperatives, out of which 3 are shall (functional requirements), 38 are will (interface requirements), 1 is are applicable, 55 are should, which shows that this requirement is not descriptive. This will lead to incompleteness and ambiguity.

The counts of CONTINUANCE components found in the directory file 2001 - beyond.txt are shown in the Table below.

CONTINUANCE	OCCURRENCE		
:	58		
AND	332		
AS FOLLOWS:	0		
BELOW:	2		
FOLLOWING:	0		
IN PARTICULAR:	0		
LISTED:	0		
SUPPORT:	0		
	TOTAL	392	

<u>Continuances:</u> There are 392 total continuances, out of which 332 are and, 58 are ": " which shows that this requirement has less amalgamation. This will lead to higher clarity.

The counts of DIRECTIVE components found in the directory file 2001 - beyond.txt are shown in the Table below.

DIRECTIVE	OCCURRENCE
E.G.	13
FIGURE	9
FOR EXAMPLE	0
I.E.	3
NOTE:	0
TABLE	0
	TOTAL 25

<u>Directives:</u> There are 25 total directives, which shows that this requirement has low number of models and explanations. This will lead to less level of understandability.

The counts of OPTION components found in the directory file 2001 - beyond.txt are shown in the Table below.

OPTION	OCCURRENCE	
CAN	45	
MAY	6	
OPTIONALLY	0	
	TOTAL 51	

Option: There are 51 total options, which shows that this requirement has large number of optional requirements. This will lead to ambiguity.

The counts of WEAK PHRASE components found in the directory file 2001 - beyond.txt are shown in the Table below.

WEAK PHRASE	OCCURRENCE		
ADEQUATE	0		
AS APPROPRIATE	0		
AS REQUIRED	1		
BE ABLE TO	7		
BE CAPABLE OF	0		
CAPABILITY OF	0		
CAPABILITY TO	0		
EASY TO	0		
EFFECTIVE	3		
NORMAL	0		
PROVIDE FOR	0		
TIMELY	0		
	TOTAL	11	

Weak Phrases: There are 11 total weak phrases, which shows that the requirement is little unverifiable and incomplete. This will lead to low level of understandability.

The counts of INCOMPLETES components found in the directory file 2001 - beyond.txt are shown in the Table below.

INCOMPLETES	OCCURRENCE	
AS A MINIMUM	0	
BUT NOT LIMITED TO	0	
NOT DEFINED	0	
NOT DETERMINED	0	
TBC	0	
TBD	0	
TBE	0	
TBR	0	
TBS	0	
	TOTAL 0	

Incomplete Phrases: There are 0 incomplete phrases, which shows that this document is complete. This will lead to higher level of understandability.

RS 3:

Title: **ELSFORK**

ARM Findings:

The counts of IMPERATIVE components found in the directory file 2001 - elsfork.txt are shown in the Table below.

IMPERATIVE	OCCURRENCE	
ARE APPLICABLE	0	
ARE TO	0	
IS REQUIRED TO	0	
MUST	24	
RESPONSIBLE FOR	1	
SHALL	75	
SHOULD	19	
WILL	21	
	TOTAL	140

<u>Imperatives:</u> There are 140 total imperatives, out of which 75 are shall (functional requirements), 21 are will (interface requirements), 24 are must, which shows that this requirement is descriptive. This will lead to high levels of understandability and clarity.

The counts of CONTINUANCE components found in the directory file 2001 - elsfork.txt are shown in the Table below.

CONTINUANCE	OCCURRENCE	
:	159	
AND	301	
AS FOLLOWS:	0	
BELOW:	0	
FOLLOWING:	2	
IN PARTICULAR:	0	
LISTED:	0	
SUPPORT:	0	
	TOTAL 462	

<u>Continuances:</u> There are 462 total continuances, out of which 301 are and, 159 are ": " which shows that this requirement has amalgamation. This will lead to less clarity.

The counts of DIRECTIVE components found in the directory file 2001 - elsfork.txt are shown in the Table below.

DIRECTIVE	OCCURRENCE		
E.G.	29		
FIGURE	15		
FOR EXAMPLE	4		
I.E.	8		
NOTE:	0		
TABLE	3		
	TOTAL	59	

<u>Directives:</u> There are 59 total directives, which shows that this requirement has large number of models and explanations. This will lead to higher level of understandability.

The counts of OPTION components found in the directory file 2001 - elsfork.txt are shown in the Table below.

OPTION	OCCURRENCE	
CAN	23	
MAY	31	
OPTIONALLY	0	
		-
	TOTAL 54	

Option: There are 54 total options, which shows that this requirement has large number of optional requirements. This will lead to ambiguity.

The counts of WEAK PHRASE components found in the directory file 2001 - elsfork.txt are shown in the Table below.

```
WEAK PHRASE
                                                                           OCCURRENCE
ADEQUATE
                                                                                  0
AS APPROPRIATE
                                                                                  0
AS REQUIRED
BE ABLE TO
                                                                                  5
BE CAPABLE OF
CAPABILITY OF
CAPABILITY TO
                                                                                  1
EASY TO
EFFECTIVE
NORMAL
                                                                                  2
PROVIDE FOR
                                                                                  0
TIMELY
                                                                                  0
                                                                                                   -----
                                                                           TOTAL
                                                                                          9
```

Weak Phrases: There are 9 total weak phrases, which shows that the requirement is little unverifiable and incomplete. This will lead to low level of understandability and ambiguity.

The counts of INCOMPLETES components found in the directory file 2001 - elsfork.txt are shown in the Table below.

```
INCOMPLETES
                                                                           OCCURRENCE
AS A MINIMUM
                                                                                   0
BUT NOT LIMITED TO
                                                                                   0
NOT DEFINED
NOT DETERMINED
                                                                                   0
TBC
                                                                                   0
TBD
                                                                                   0
TBE
TBR
TBS
                                                                                   0
                                                                                                   ------
                                                                           TOTAL
```

<u>Incomplete Phrases:</u> There are 0 incomplete phrases, which shows that this document is complete. This will lead to higher level of understandability.

RS 4:

Title: ESA

ARM Findings:

The counts of IMPERATIVE components found in the directory file 2001 - esa.txt are shown in the Table below.

IMPERATIVE	OCCURRENCE		
ARE APPLICABLE	0		
ARE TO	0		
IS REQUIRED TO	0		
MUST	0		
RESPONSIBLE FOR	0		
SHALL	56		
SHOULD	0		
WILL	16		
	TOTAL	72	

<u>Imperatives:</u> There are 72 total imperatives, out of which 56 are shall (functional requirements), 16 are will (interface requirements), which shows that this requirement is very descriptive. This will lead to high levels of understandability.

The counts of CONTINUANCE components found in the directory file 2001 - esa.txt are shown in the Table below.

CONTINUANCE	OCCURRENCE		
:	54		
AND	132		
AS FOLLOWS:	1		
BELOW:	0		
FOLLOWING:	0		
IN PARTICULAR:	0		
LISTED:	0		
SUPPORT:	0		
	TOTAL	187	

<u>Continuances:</u> There are 187 total continuances, out of which 132 are and, 54 are ": " which shows that this requirement has less amalgamation. This will lead to higher clarity.

The counts of DIRECTIVE components found in the directory file 2001 - esa.txt are shown in the Table below.

DIRECTIVE	OCCURRENCE
E.G.	2
FIGURE	0
FOR EXAMPLE	1
I.E.	0
NOTE:	1
TABLE	9
	TOTAL 13

<u>Directives:</u> There are 13 total directives, which shows that this requirement has low number of models and explanations. This will lead to less level of understandability.

The counts of OPTION components found in the directory file 2001 - esa.txt are shown in the Table below.

OPTION	OCCURRENCE
CAN	6
MAY	5
OPTIONALLY	0
	TOTAL 11

Option: There are 11 total options, which shows that this requirement has small number of optional requirements. This will lead to clarity and higher level of understandability.

The counts of WEAK PHRASE components found in the directory file 2001 - esa.txt are shown in the Table below.

```
WEAK PHRASE
                                                                          OCCURRENCE
ADEQUATE
                                                                                  0
AS APPROPRIATE
AS REQUIRED
                                                                                  0
BE ABLE TO
                                                                                  0
BE CAPABLE OF
CAPABILITY OF
CAPABILITY TO
EASY TO
EFFECTIVE
                                                                                  0
NORMAL
PROVIDE FOR
                                                                                  0
TIMELY
                                                                                                  -----
                                                                          TOTAL
```

<u>Weak Phrases:</u> There are 0 total weak phrases, which shows that the requirement is verifiable and complete. This will lead to higher level of understandability.

The counts of INCOMPLETES components found in the directory file 2001 - esa.txt are shown in the Table below.

INCOMPLETES	OCCURRENCE
AS A MINIMUM	0
BUT NOT LIMITED TO	0
NOT DEFINED	0
NOT DETERMINED	0
TBC	0
TBD	0
TBE	0
TBR	0
TBS	0
	TOTAL 0

<u>Incomplete Phrases:</u> There are 0 incomplete phrases, which shows that this document is complete. This will lead to higher level of understandability.

RS 5:

Title: <u>HATS</u>

ARM Findings:

The counts of IMPERATIVE components found in the directory file 2001 - hats.txt are shown in the Table below.

IMPERATIVE	OCCURRENCE
ARE APPLICABLE	0
ARE TO	2
IS REQUIRED TO	0
MUST	10
RESPONSIBLE FOR	2
SHALL	296
SHOULD	8
WILL	44
	TOTAL 362

<u>Imperatives:</u> There are 362 total imperatives, out of which 296 are shall (functional requirements), 44 are will (interface requirements), and 8 are should, which shows that this requirement is very descriptive. This will lead to high levels of understandability.

The counts of CONTINUANCE components found in the directory file 2001 - hats.txt are shown in the Table below.

OCCURRENCE CONTINUANCE AND 360 AS FOLLOWS: 1 BELOW: 0 FOLLOWING: 0 IN PARTICULAR: 0 LISTED: 0 SUPPORT: 0 TOTAL 756

<u>Continuances:</u> There are 756 total continuances, out of which 360 are and, 395 are ": " which shows that this requirement has high amalgamation. This will lead to lesser clarity.

The counts of DIRECTIVE components found in the directory file 2001 - hats.txt are shown in the Table below.

DIRECTIVE OCCURRENCE -----------E.G. 0 FIGURE 21 FOR EXAMPLE 6 1 T.F. NOTE: 0 TABLE TOTAL 67

<u>Directives:</u> There are 67 total directives, which shows that this requirement has large number of models and explanations. This will lead to higher level of understandability.

The counts of OPTION components found in the directory file 2001 - hats.txt are shown in the Table below.

 OPTION
 OCCURRENCE

 CAN
 14

 MAY
 29

 OPTIONALLY
 1

Option: There are 44 total options, which shows that this requirement has large number of optional requirements. This will lead to ambiguity.

The counts of WEAK PHRASE components found in the directory file 2001 - hats.txt are shown in the Table below.

WEAK PHRASE	OCCURRENCE		
ADEQUATE	0		
AS APPROPRIATE	0		
AS REQUIRED	0		
BE ABLE TO	19		
BE CAPABLE OF	0		
CAPABILITY OF	0		
CAPABILITY TO	2		
EASY TO	0		
EFFECTIVE	0		
NORMAL	0		
PROVIDE FOR	2		
TIMELY	0		
	TOTAL	23	

Weak Phrases: There are 23 total weak phrases, which shows that the requirement is majorly unverifiable and incomplete. This will lead to ambiguity and low level of understandability.

The counts of INCOMPLETES components found in the directory file 2001 - hats.txt are shown in the Table below.



<u>Incomplete Phrases:</u> There are 0 incomplete phrases, which shows that this document is complete. This will lead to higher level of understandability.

Title: AGENTMOM

ARM Findings:

The counts of IMPERATIVE components found in the directory file 2003 - agentmom.txt are shown in the Table below.

IMPERATIVE	OCCURRENCE	
ARE APPLICABLE	0	
ARE TO	0	
IS REQUIRED TO	0	
MUST	1	
RESPONSIBLE FOR	0	
SHALL	25	
SHOULD	1	
WILL	1	
	TOTAL	28

<u>Imperatives:</u> There are 28 total imperatives, out of which 25 are shall (functional requirements), 1 is will (interface requirements), which shows that this requirement is descriptive. This will lead to high levels of understandability.

The counts of CONTINUANCE components found in the directory file 2003 - agentmom.txt are shown in the Table below.

CONTINUANCE	OCCURRENCE
:	6
AND	32
AS FOLLOWS:	0
BELOW:	0
FOLLOWING:	0
IN PARTICULAR:	0
LISTED:	0
SUPPORT:	0
	TOTAL 38

Continuances: There are 38 total continuances, out of which 32 are and, 6 are ": " which shows that this requirement has less amalgamation. This will lead to higher clarity.

The counts of DIRECTIVE components found in the directory file 2003 - agentmom.txt are shown in the Table below.

DIRECTIVE	OCCURRENCE
E.G.	0
FIGURE	4
FOR EXAMPLE	0
I.E.	0
NOTE:	1
TABLE	1
	TOTAL 6

<u>Directives:</u> There are 6 total directives, which shows that this requirement has very low number of models and explanations. This will lead to less level of understandability.

Option: There are 9 total options, which shows that this requirement has small number of optional requirements. This will lead to clarity and higher level of understandability.

The counts of WEAK PHRASE components found in the directory file 2003 - agentmom.txt are shown in the Table below.

WEAK PHRASE OCCURRENCE ADEQUATE 0 AS APPROPRIATE AS REQUIRED 0 BE ABLE TO 0 BE CAPABLE OF CAPABILITY OF CAPABILITY TO EASY TO 0 **EFFECTIVE** 1 NORMAL PROVIDE FOR 0 TIMELY -----TOTAL

Weak Phrases: There are 2 total weak phrases, which shows that the requirement is majorly verifiable but incomplete. This will lead to high level of understandability.

The counts of INCOMPLETES components found in the directory file 2003 - agentmom.txt are shown in the Table below.



<u>Incomplete Phrases:</u> There are 0 incomplete phrases, which shows that this document is complete. This will lead to higher level of understandability.

RS 7:

Title: PNNL

ARM Findings:

The counts of IMPERATIVE components found in the directory file 2003 - pnnl.txt are shown in the Table below.

IMPERATIVE	OCCURRENCE	
ARE APPLICABLE	1	
ARE TO	4	
IS REQUIRED TO	0	
MUST	15	
RESPONSIBLE FOR	1	
SHALL	114	
SHOULD	79	
WILL	85	
	TOTAL	299

<u>Imperatives:</u> There are 299 total imperatives, out of which 114 are shall (functional requirements), 85 are will (interface requirements), 79 are should, 15 are must, which shows that this requirement is very descriptive but might lead to ambiguity.

CONTINUANCE	OCCURRENCE	
:	456	
AND	632	
AS FOLLOWS:	1	
BELOW:	0	
FOLLOWING:	0	
IN PARTICULAR:	0	
LISTED:	0	
SUPPORT:	0	
	ΤΟΤΔΙ	1089

Continuances: There are 1089 total continuances, out of which 632 are and, 456 are ": " which shows that this requirement has higher amalgamation. This will lead to lesser clarity.

The counts of DIRECTIVE components found in the directory file 2003 - pnnl.txt are shown in the Table below.

DIRECTIVE	OCCURRENCE	
E.G.	17	
FIGURE	20	
FOR EXAMPLE	2	
I.E.	56	
NOTE:	23	
TABLE	21	
	TOTAL 139	

<u>Directives:</u> There are 139 total directives, which shows that this requirement has large number of models and explanations. This will lead to higher level of understandability.

The counts of OPTION components found in the directory file 2003 - pnnl.txt are shown in the Table below.

OPTION	OCCURRENCE	
CAN	44	
MAY	44	
OPTIONALLY	0	
		-
	TOTAL 88	

Option: There are 88 total options, which shows that this requirement has large number of optional requirements. This will lead to ambiguity.

The counts of WEAK PHRASE components found in the directory file 2003 - pnnl.txt are shown in the Table below.

WEAK PHRASE	OCCURRENCE

ADEQUATE	0
AS APPROPRIATE	0
AS REQUIRED	0
BE ABLE TO	2
BE CAPABLE OF	1
CAPABILITY OF	0
CAPABILITY TO	5
EASY TO	0
EFFECTIVE	0
NORMAL	2
PROVIDE FOR	1
TIMELY	0
	TOTAL 11

<u>Weak Phrases:</u> There are 11 total weak phrases, which shows that the requirement is majorly unverifiable and incomplete. This will lead to ambiguity and low level of understandability.

The counts of INCOMPLETES components found in the directory file 2003 - pnnl.txt are shown in the Table below.

INCOMPLETES	OCCURRENCE
AS A MINIMUM	0
BUT NOT LIMITED TO	0
NOT DEFINED	0
NOT DETERMINED	0
TBC	0
TBD	1
TBE	0
TBR	0
TBS	0
	TOTAL 1

<u>Incomplete Phrases:</u> There are 1 incomplete phrases, which shows that this document is incomplete. This will lead to lesser level of understandability and ambiguity.

Title: QHEADACHE

ARM Findings:

The counts of IMPERATIVE components found in the directory file 2003 - qheadache.txt are shown in the Table below.

IMPERATIVE	OCCURRENCE	
ARE APPLICABLE	0	
ARE TO	0	
IS REQUIRED TO	0	
MUST	8	
RESPONSIBLE FOR	0	
SHALL	1	
SHOULD	0	
WILL	1	
	TOTAL	10

<u>Imperatives:</u> There are 10 total imperatives, out of which 1 is shall (functional requirements), 1 is will (interface requirements), which shows that this requirement are not descriptive. This will lead to incompleteness of requirements.

The counts of CONTINUANCE components found in the directory file 2003 - qheadache.txt are shown in the Table below.

CONTINUANCE	OCCURRENCE	
:	16	
AND	35	
AS FOLLOWS:	0	
BELOW:	0	
FOLLOWING:	0	
IN PARTICULAR:	0	
LISTED:	0	
SUPPORT:	0	
	TOTAL 51	

Continuances: There are 51 total continuances, out of which 35 are and, 16 are ": " which shows that this requirement has less amalgamation. This will lead to higher clarity.

The counts of DIRECTIVE components found in the directory file 2003 - qheadache.txt are shown in the Table below.

DIRECTIVE	OCCURRENCE	
E.G.	0	
FIGURE	0	
FOR EXAMPLE	0	
I.E.	0	
NOTE:	0	
TABLE	0	
	TOTAL	

<u>Directives:</u> There are 0 total directives, which shows that this requirement has NO models and explanations. This will lead to least level of understandability.

The counts of OPTION components found in the directory file 2003 - qheadache.txt are shown in the Table below.

```
OPTION OCCURRENCE

CAN 6
MAY 0
OPTIONALLY 0
```

Option: There are 6 total options, which shows that this requirement has small number of optional requirements. This will lead to clarity and higher level of understandability.

The counts of WEAK PHRASE components found in the directory file 2003 - qheadache.txt are shown in the Table below.

```
WEAK PHRASE
                                                                           OCCURRENCE
ADEOUATE
                                                                                   0
AS APPROPRIATE
                                                                                   a
AS REQUIRED
                                                                                   0
BE ABLE TO
BE CAPABLE OF
                                                                                   0
CAPABILITY OF
                                                                                   0
CAPABILITY TO
                                                                                   0
EASY TO
EFFECTIVE
NORMAL
                                                                                   0
PROVIDE FOR
                                                                                   a
TIMELY
                                                                           TOTAL
```

<u>Weak Phrases:</u> There are 0 total weak phrases, which shows that the requirement is verifiable and complete. This will lead to high level of understandability.

The counts of INCOMPLETES components found in the directory file 2003 - qheadache.txt are shown in the Table below.



<u>Incomplete Phrases:</u> There are 0 incomplete phrases, which shows that this document is complete. This will lead to higher level of understandability.

RS 9:

Title: TACHONET

ARM Findings:

The counts of IMPERATIVE components found in the directory file 2003 - tachonet.txt are shown in the Table below.

IMPERATIVE	OCCURRENCE
ARE APPLICABLE	0
ARE TO	2
IS REQUIRED TO	0
MUST	67
RESPONSIBLE FOR	0
SHALL	1
SHOULD	40
WILL	58
	TOTAL 168

<u>Imperatives:</u> There are 168 total imperatives, out of which 1 is shall (functional requirements), 58 are will (interface requirements), which shows that this requirement is not descriptive. This will lead to high levels of ambiguity.

The counts of CONTINUANCE components found in the directory file 2003 - tachonet.txt are shown in the Table below.

CONTINUANCE	OCCURRENCE	
:	95	
AND	190	
AS FOLLOWS:	0	
BELOW:	1	
FOLLOWING:	0	
IN PARTICULAR:	0	
LISTED:	0	
SUPPORT:	0	
		-
	TOTAL 286	

<u>Continuances:</u> There are 286 total continuances, out of which 190 are and, 95 are ": " which shows that this requirement has less amalgamation. This will lead to higher clarity.

The counts of DIRECTIVE components found in the directory file 2003 - tachonet.txt are shown in the Table below.

DIRECTIVE	OCCURRENCE
E.G.	14
FIGURE	14
FOR EXAMPLE	0
I.E.	1
NOTE:	0
TABLE	13
	TOTAL 42

<u>Directives:</u> There are 42 total directives, which shows that this requirement has large number of models and explanations. This will lead to higher level of understandability.

The counts of OPTION components found in the directory file 2003 - tachonet.txt are shown in the Table below.

Option: There are 21 total options, which shows that this requirement has large number of optional requirements. This will lead to ambiguity.

The counts of WEAK PHRASE components found in the directory file 2003 - tachonet.txt are shown in the Table below.

WEAK PHRASE	OCCURRENCE		
ADEQUATE	2		
AS APPROPRIATE	0		
AS REQUIRED	0		
BE ABLE TO	7		
BE CAPABLE OF	0		
CAPABILITY OF	0		
CAPABILITY TO	0		
EASY TO	2		
EFFECTIVE	1		
NORMAL	0		
PROVIDE FOR	0		
TIMELY	0		
			_
	TOTAL	12	

<u>Weak Phrases:</u> There are 12 total weak phrases, which shows that the requirement is majorly unverifiable and incomplete. This will lead to ambiguity and low level of understandability.

The counts of INCOMPLETES components found in the directory file 2003 - tachonet.txt are shown in the Table below.

INCOMPLETES	OCCURRENCE	
AS A MINIMUM	0	
BUT NOT LIMITED TO	0	
NOT DEFINED	0	
NOT DETERMINED	0	
TBC	0	
TBD	0	
TBE	0	
TBR	0	
TBS	0	
		-
	TOTAL 0	

Incomplete Phrases: There are 0 incomplete phrases, which shows that this document is complete. This will lead to higher level of understandability.

RS 3:

Title: ColorCast

The counts of IMPERATIVE components found in the directory file 2004 - colorcast.txt are shown in the Table below.

IMPERATIVE	OCCURRENCE	
ARE APPLICABLE	0	
ARE TO	0	
IS REQUIRED TO	0	
MUST	8	
RESPONSIBLE FOR	0	
SHALL	0	
SHOULD	7	
WILL	61	
	-	
	TOTAL 76	

<u>Imperatives:</u> There are 76 total imperatives, out of which 0 are shall (functional requirements), 61 are will (interface requirements), which shows that this requirement is not descriptive. This will lead to high levels of ambiguity.

The counts of CONTINUANCE components found in the directory file 2004 - colorcast.txt are shown in the Table below.

OCCURRENCE		
43		
91		
0		
0		
0		
0		
0		
0		
TOTAL	134	
	43 91 0 0 0 0	43 91 0 0 0 0

<u>Continuances:</u> There are 134 total continuances, out of which 91 are and, 43 are ": " which shows that this requirement has amalgamation. This will lead to lesser clarity.

The counts of DIRECTIVE components found in the directory file 2004 - colorcast.txt are shown in the Table below.

DIRECTIVE	OCCURRENCE
E.G.	0
FIGURE	0
FOR EXAMPLE	3
I.E.	0
NOTE:	0
TABLE	2
	TOTAL 5

<u>Directives:</u> There are 5 total directives, which shows that this requirement has very few number of models and explanations. This will lead to lesser level of understandability.

The counts of OPTION components found in the directory file 2004 - colorcast.txt are shown in the Table below.

OPTION	OCCURRENCE
CAN	10
MAY	7
OPTIONALLY	0
	TOTAL 17

Option: There are 17 total options, which shows that this requirement has small number of optional requirements. This will lead to clarity and higher level of understandability.

The counts of WEAK PHRASE components found in the directory file 2004 - colorcast.txt are shown in the Table below.

WEAK PHRASE	OCCURRENCE	
ADEQUATE	0	
AS APPROPRIATE	0	
AS REQUIRED	0	
BE ABLE TO	1	
BE CAPABLE OF	0	
CAPABILITY OF	0	
CAPABILITY TO	0	
EASY TO	2	
EFFECTIVE	0	
NORMAL	0	
PROVIDE FOR	0	
TIMELY	0	
	TOTAL	3

Weak Phrases: There are 3 total weak phrases, which shows that the requirement is majorly verifiable and complete. This will lead to high level of understandability.

The counts of INCOMPLETES components found in the directory file 2004 - colorcast.txt are shown in the Table below.



<u>Incomplete Phrases:</u> There are 2 incomplete phrases, which shows that this document is incomplete. This will lead to ambiguity

Ranking out requirements Out of 10 on the basis of IEEE 830 standards:

SRS NO:	Understand- ability	Clearness	Unambiguity	Understand- ability	Clarity	Verifiability	Unambiguity	Completeness	Total
1.	10	9	7	9	7	0	3	2	47
2.	4	4	5	5	10	2	0	2	32
3.	5	8	4	7	3	5	3	9	41
4.	9	8	8	7	8	10	8	10	64
5.	9	6	4	8	4	3	2	10	46
6.	10	8	8	4	8	8	8	10	64
7.	8	7	7	8	8	6	5	8	57
8.	5	7	3	2	8	10	6	8	49
9.	6	6	3	8	8	6	4	9	50
10.	7	7	3	3	5	6	7	7	45

RANK	NAME
1.	RS#4
2.	RS#6
3.	RS#7
4.	RS#9
5.	RS#8
6.	RS#5
7.	RS#1
8.	RS#10
9.	RS#3
10.	RS#2