Key	Function #	Requirement Statement
1	F0	90
2	F1	Provide Enterprise Services
3	F1	The NextGen NAS shall provide enterprise services.
4	F1.1	Provide Weather Services
5	F1.1	The NextGen NAS shall provide weather services.
6	F1.1.1	Observe Atmosphere and Space Conditions
8	F1.1.1.1	Observe Atmospheric Conditions
10	F1.1.1.1.1	Observe Present Surface Weather
12	F1.1.1.1.1.1	Observe Surface Liquid Precipitation
14	F1.1.1.1.1.1-1	The NextGen NAS shall periodically observe the occurrence of liquid precipitation at the surface of terminal airspace within an interval of 1 minute or less.
	F1.1.1.1.1.1.1	Determine Liquid Precipitation Type
19	F1.1.1.1.1.1.1-1	The NextGen NAS shall determine liquid precipitation type with an accuracy greater than or equal to 98 percent.
20	F1.1.1.1.1.1.1	Determine Location of Drizzle
22	F1.1.1.1.1.1.1.1.1	Determine Horizontal Extent of Drizzle
24	F1.1.1.1.1.1.1.1.1-1	The NextGen NAS shall determine the location of drizzle at the surface of super-density terminal airspace with a horizontal accuracy of plus or minus 0.25 km.
27	F1.1.1.1.1.1.1.1.2	Determine Vertical Extent of Drizzle
29	F1.1.1.1.1.1.1.1.2.1-1	The NextGen NAS shall determine the maximum altitude (MSL) of drizzle above the surface of super-density terminal airspace to 4,900 feet MSL with a vertical accuracy of plus or minus 50 feet.
30	F1.1.1.1.1.1.1.1.2.1-2	The NextGen NAS shall determine the minimum altitude (MSL) of drizzle above the surface of super-density terminal airspace to 4,900 feet MSL with a vertical accuracy of plus or minus 50 feet.
31	F1.1.1.1.1.1.1.1.2.1-3	The NextGen NAS shall determine the maximum altitude (MSL) of drizzle above the surface of super-density terminal airspace from 5,000 feet MSL to the top of terminal airspace with a vertical accuracy of plus or minus 250 feet.
34	F1.1.1.1.1.1.2	Determine Location of Rain
	F1.1.1.1.1.1.2.1	Determine Horizontal Extent of Rain
36	F1.1.1.1.1.1.2.1-1	The NextGen NAS shall determine the location of rain at the surface of super-density terminal airspace with a horizontal accuracy of plus or minus 0.25 km.
39	F1.1.1.1.1.1.2.2	Determine the Vertical Extent of Rain
41	F1.1.1.1.1.1.2.2-1	The NextGen NAS shall determine the maximum altitude (MSL) of rain above the surface of super-density terminal airspace to 4,900 feet MSL with a vertical accuracy of plus or minus 50 feet.
42	F1.1.1.1.1.1.2.2-2	The NextGen NAS shall determine the maximum altitude (MSL) of rain in super-density terminal airspace from 5,000 feet to the top of terminal airspace with a vertical accuracy of plus or minus 250 feet.
45	F1.1.1.1.1.1.3	Determine Location of Rain Shower(s)
47	F1.1.1.1.1.1.3-1	The NextGen NAS shall determine the location of rain showers in super-density terminal airspace with a horizontal accuracy of plus or minus 0.25 km.
51	F1.1.1.1.1.1.4	Measure Accumulation of Liquid Precipitation
53	F1.1.1.1.1.1.4.1-1	The NextGen NAS shall measure the accumulation of liquid precipitation at the surface of super-density terminal airspace with an accuracy of plus or minus 0.07 inches per hour.
56	F1.1.1.1.1.1.5	Determine Movement Direction of Liquid Precipitation
58	F1.1.1.1.1.1.5-1	The NextGen NAS shall determine the movement direction of liquid precipitation in super-density terminal airspace with an accuracy of plus or minus 10 degrees.
	F1.1.1.1.1.1.6	Determine Movement Speed of Liquid Precipitation
63	F1.1.1.1.1.1.6-1	The NextGen NAS shall determine the movement speed of liquid precipitation in super-density terminal airspace with an accuracy of plus or minus 5 nautical miles per hour.
66	F1.1.1.1.1.1.7	Calculate Rain Fall Intensity
68	F1.1.1.1.1.1.7.1-4	The NextGen NAS shall calculate rainfall intensity at the surface of super-density terminal airspace with an accuracy greater than or equal to 95 percent.
71	F1.1.1.1.1.1.7.1	Calculate Rain Fall Rate
73	F1.1.1.1.1.1.7.1-1	The NextGen NAS shall calculate rainfall rate at the surface of super-density terminal airspace with an accuracy of plus or minus 0.05 inches per hour.
76	F1.1.1.1.2	Observe Surface Solid Precipitation
78	F1.1.1.1.2-1	The NextGen NAS shall periodically observe the occurrence of solid precipitation at the surface of airports within an interval of 1 minute or less.
79	F1.1.1.1.2.1	Determine Solid Precipitation Type
81	F1.1.1.1.2.1-1	The NextGen NAS shall determine solid precipitation type with an accuracy greater than or equal to 95 percent.

82	F1.1.1.1.1.2.1.1	Determine Location of Hail
84	F1.1.1.1.1.2.1.1-1	The NextGen NAS shall determine the location of hail at the surface of super-density terminal airspace with a horizontal accuracy of plus or minus 0.25 km.
89	F1.1.1.1.1.2.1.1.1-1	The NextGen NAS shall determine the horizontal extent of hail at the surface of super-density terminal airspace with a horizontal accuracy of plus or minus 0.25 km.
92	F1.1.1.1.1.2.1.1.2	Estimate Size of Largest Hailstone
94	F1.1.1.1.1.2.1.1.2-1	The NextGen NAS shall estimate the size of largest hailstone in inches with an accuracy of plus or minus 0.25 inches.
95	F1.1.1.1.1.2.1.1.2-1	The NextGen NAS shall determine the size of the largest hailstone at the surface of super-density terminal airspace with an accuracy of plus or minus 0.25 inch.
98	F1.1.1.1.1.2.1.1.3	Determine Location of Hail Shower
100	F1.1.1.1.1.2.1.1.3-1	The NextGen NAS shall determine the location of hail showers at the surface of super-density terminal airspace with a horizontal accuracy of plus or minus 0.25 km.
103	F1.1.1.1.1.2.1.1.4	Determine Vertical Extent of Hail
105	F1.1.1.1.1.2.1.1.4-1	The NextGen NAS shall determine the maximum altitude (MSL) of hail from the surface of super-density terminal airspace to 4,900 feet MSL with a vertical accuracy of plus or minus 50 feet.
106	F1.1.1.1.1.2.1.1.4-2	The NextGen NAS shall determine the maximum altitude (MSL) of hail in super-density terminal airspace from 5,000 feet MSL to the top of terminal airspace with a vertical accuracy of plus or minus 250 feet.
109	F1.1.1.1.1.2.1.2	Determine Location of Snow
111	F1.1.1.1.1.2.1.2.1-1	The NextGen NAS shall determine the location of snow at the surface of super-density terminal airspace with a horizontal accuracy of plus or minus 0.25 km.
114	F1.1.1.1.1.2.1.2.1	Determine Horizontal Extent of Snow
116	F1.1.1.1.1.2.1.2.1-1	The NextGen NAS shall determine the horizontal extent of snow in super-density terminal airspace with a horizontal accuracy of plus or minus 0.25 km.
119	F1.1.1.1.1.2.1.2.6	Determine Vertical Extent of Snow
121	F1.1.1.1.1.2.1.2.6-1	The NextGen NAS shall determine the maximum altitude (MSL) of snow from the surface of super-density terminal airspace to 4,900 feet MSL with a vertical accuracy of plus or minus 50 feet.
122	F1.1.1.1.1.2.1.2.6-2	The NextGen NAS shall determine the maximum altitude (MSL) of snow in super-density terminal airspace from 5,000 feet MSL to the top of the NAS with a vertical accuracy of plus or minus 250 feet.
127	F1.1.1.1.1.2.1.2.2-1	The NextGen NAS shall measure snowfall accumulation at the surface of super-density terminal airspace for 1- and 3-hour periods with an accuracy of plus or minus 0.5 inches.
130	F1.1.1.1.1.2.1.2.3	Determine Location of Snow Showers
132	F1.1.1.1.1.2.1.2.3-1	The NextGen NAS shall determine the horizontal extent of snow showers at super-density terminal airspace with an accuracy of plus or minus 0.25 km.
137	F1.1.1.1.1.2.1.2.4-1	The NextGen NAS shall measure snowfall rate at the surface of super-density terminal airspace with an accuracy of plus or minus 0.5 inches per hour.
142	F1.1.1.1.1.2.1.2.5-1	The NextGen NAS shall calculate the water equivalent of snowfall accumulation at the surface of super-density terminal airspace for 1-hour periods with an accuracy of plus or minus 0.05 inches.
143	F1.1.1.1.1.2.1.2.5-2	The NextGen NAS shall calculate the liquid water equivalent of snowfall accumulation at the surface of super-density terminal airspace for 3-hour periods with an accuracy of plus or minus 0.1 inches.
148	F1.1.1.1.1.2.1.3	Observe Ice Crystals
150	F1.1.1.1.1.2.1.3.1	Determine Location of Ice Crystals
152	F1.1.1.1.1.2.1.3.2-1	The NextGen NAS shall determine the location of ice crystals at the surface of super-density terminal airspace with a horizontal accuracy of plus or minus 0.25 km.
155	F1.1.1.1.1.2.1.3.3	Determine Vertical Extent of Ice Crystals
157	F1.1.1.1.1.2.1.3.3-1	The NextGen NAS shall determine the maximum altitude (MSL) of ice crystals above the surface of super-density terminal airspace to 4,900 feet MSL with a vertical accuracy of plus or minus 50 feet.
158	F1.1.1.1.1.2.1.3.3-2	The NextGen NAS shall determine the maximum altitude (MSL) of ice crystals above the surface of super-density terminal airspace from 5,000 feet MSL to the top of terminal airspace with a vertical accuracy of plus or minus 250 feet.
161	F1.1.1.1.1.2.1.4	Observe Ice Pellets
163	F1.1.1.1.1.2.1.4.1	Determine Location of Ice Pellets
167	F1.1.1.1.1.2.1.4.2	Determine Horizontal Extent of Ice Pellets
169	F1.1.1.1.1.2.1.4.2-1	The NextGen NAS shall determine the location of ice pellets at the surface of super-density terminal airspace with a horizontal accuracy of plus or minus 0.25 km.
173	F1.1.1.1.1.2.1.4.3-1	The NextGen NAS shall calculate the intensity of ice pellets at the surface of super-density terminal airspace with an accuracy greater than or equal to 95 percent.
176	F1.1.1.1.1.2.1.5	Determine Location of Snow Grains
178	F1.1.1.1.1.2.1.5-1	The NextGen NAS shall determine the location of snow grains at the surface of super-density terminal airspace with a horizontal accuracy of plus or minus 0.25 km.
181	F1.1.1.1.1.2.1.6	Determine Location of Blowing Snow

183	F1.1.1.1.1.2.1.6.2-1	The NextGen NAS shall determine the location of blowing snow at surface of super-density terminal airspace with a horizontal accuracy of plus or minus 0.25 km.
186	F1.1.1.1.1.2.1.6.1	Determine Where Snow is Blowing Over Runways
188	F1.1.1.1.1.2.1.6.1-1	The NextGen NAS shall determine where snow is blowing over runways at super-density terminal airspace with an accuracy greater than or equal to 98 percent.
191	F1.1.1.1.1.2.1.6.2	Determine the horizontal extent of blowing snow
193	F1.1.1.1.1.2.1.6.2-1	The NextGen NAS shall determine the horizontal extent of blowing snow at surface of super-density terminal airspace with a horizontal accuracy of plus or minus 0.25 km.
196	F1.1.1.1.1.2.1.7	Determine Location of Low Drifting Snow
198	F1.1.1.1.1.2.1.7-1	The NextGen NAS shall determine the location of low drifting snow at the surface of super-density terminal airspace with an accuracy of plus or minus 0.25 km.
201	F1.1.1.1.1.2.1.7.1	Determine Horizontal Extent of Low Drifting Snow
203	F1.1.1.1.1.2.1.7.1-1	The NextGen NAS shall determine the location of low drifting snow at the surface of super-density terminal airspace with an accuracy of plus or minus 0.25 km.
206	F1.1.1.1.1.2.1.8	Determine Location of Small Hail
208	F1.1.1.1.1.2.1.8.1	Determine Horizontal Extent of Small Hail
210	F1.1.1.1.1.2.1.8.1-1	The NextGen NAS shall determine the horizontal extent of small hail at the surface of super-density terminal airspace with an accuracy of plus or minus 0.25 km.
213	F1.1.1.1.1.2.1.9	Determine Location of Snow Pellets
215	F1.1.1.1.1.2.1.9.1	Determine Horizontal Extent of Snow Pellets at the surface.
217	F1.1.1.1.1.2.1.9.1-1	The NextGen NAS shall determine the location of snow pellets at the surface of super-density terminal airspace with a horizontal accuracy of plus or minus 0.25 km.
220	F1.1.1.1.1.2.1.9.1-2	The NextGen NAS shall periodically observe the occurrence of solid precipitation at the surface of super-density terminal airspace within an interval of 1 minute or less.
221	F1.1.1.1.1.3	Observe Surface Freezing Precipitation
223	F1.1.1.1.1.3.1	Determine Location of Freezing Rain
225	F1.1.1.1.1.3.1-1	The NextGen NAS shall determine the location of freezing rain at the surface of super-density terminal airspace with a horizontal accuracy of plus or minus 0.25 km.
226	F1.1.1.1.1.3.1.1	Determine Horizontal Extent of Freezing Rain
229	F1.1.1.1.1.3.2	Determine Location of Freezing Drizzle
231	F1.1.1.1.1.3.2.1-1	The NextGen NAS shall determine the location of freezing drizzle at the surface of super-density terminal airspace with a horizontal accuracy of plus or minus 0.25 km.
234	F1.1.1.1.1.3.2.1	Determine Horizontal Extent of Freezing Drizzle
237	F1.1.1.1.1.3.2.3	The NextGen NAS shall determine the type of freezing precipitation at the surface of all terminals with an accuracy greater than or equal to 95 percent.
239	F1.1.1.1.1.3.3.1	Determine Time When Surface Ice Accretion Began
242	F1.1.1.1.1.3.3.1-1	The NextGen NAS shall determine the horizontal extent of surface ice accretion.
243	F1.1.1.1.1.3.3.1-2	The NextGen NAS shall determine the location of surface ice accretion at super-density terminal airspace with a horizontal accuracy of plus or minus 0.25 km.
246	F1.1.1.1.1.3.3.2	Measure Intensity of Freezing Precipitation at the surface
248	F1.1.1.1.1.3.3.2-1	The NextGen NAS shall measure the intensity of freezing precipitation at the surface of super-density terminal airspace with an accuracy of 95 per cent or greater.
251	F1.1.1.1.1.5.13	Observe Frost
253	F1.1.1.1.1.5.13.1	Determine Horizontal Extent of Frost.
255	F1.1.1.1.1.5.13.1-1	The NextGen NAS shall determine the location of frost at the surface of super-density terminal airspace with a horizontal accuracy of plus or minus 0.25 km.
258	F1.1.1.1.1.5.13.2	Determine Beginning Time of Frost.
260	F1.1.1.1.1.5.13.3	Determine Ending Time of Frost.
262	F1.1.1.1.1.1.3.4	Determine Beginning Time of Precipitation
264	F1.1.1.1.1.1.3.4-1	The NextGen NAS shall determine the beginning time of precipitation at the surface with an accuracy of plus or minus 1 minute.
265	F1.1.1.1.1.1.3.5	Determine Ending Time of Precipitation
267	F1.1.1.1.1.1.3.5-1	The NextGen NAS shall determine the ending time of solid precipitation at the surface with an accuracy of plus or minus 1 minute.
268	F1.1.1.1.1.3.3.6	Calculate the total amount of ice accretion
270	F1.1.1.1.1.3.3.6	The NextGen NAS shall calculate the total amount of surface ice accretion over periods of 1-, 3-, and 6-hours at super-density terminal airspace with an accuracy of plus or minus 0.3 mm.
275	F1.1.1.1.1.4.1	Determine Location of Haze

277	F1.1.1.1.1.4.1-1	The NextGen NAS shall determine the location of haze at the surface of super-density terminal airspace with an accuracy of plus or minus 0.25 km.
280	F1.1.1.1.1.2.2.5	Determine Location of Haze Aloft
282		The NextGen NAS shall determine the location of haze aloft over super-density terminal airspace with an accuracy of plus or minus 0.25 km.
283	F1.1.1.1.1.2.2.6	Determine Maximum Altitude of Surface Obscuration
285	F1.1.1.1.1.2.2.6-1	The NextGen NAS shall determine the maximum altitude (MSL) of surface obscuration in super-density terminal airspace to 4,900 feet MSL with a vertical accuracy of plus or minus 50 feet.
286	F1.1.1.1.1.2.2.6-2	The NextGen NAS shall determine the minimum altitude (MSL) of surface obscuration in super-density terminal airspace from 5,000 feet MSL to the top of terminal with a vertical accuracy of plus or minus 250 feet.
289	F1.1.1.1.1.4.2	Determine Location of Smoke
291	F1.1.1.1.1.4.2-1	The NextGen NAS shall determine the location of smoke at the surface of super-density terminal airspace with an accuracy of plus or minus 0.25 km.
294	F1.1.1.1.1.4.3	Determine Location of Mist
296	F1.1.1.1.1.4.3-1	The NextGen NAS shall determine the location of mist at the surface of super-density terminal airspace with an accuracy of plus or minus 0.25 km.
299	F1.1.1.1.1.4.4.1	Determine Location of Shallow Fog
301	F1.1.1.1.1.4.4.1-1	The NextGen NAS shall determine the location of shallow fog at the surface of super-density terminal airspace with a horizontal accuracy of plus or minus 0.25 km.
304	F1.1.1.1.1.4.4.2	Determine the location of Partial Fog
306	F1.1.1.1.1.4.4.2-1	The NextGen NAS shall determine the location of partial fog at the surface of super-density terminal airspace with a horizontal accuracy of plus or minus 0.25 km.
309	F1.1.1.1.1.4.4.3	Determine Location of Fog Patches
311	F1.1.1.1.1.4.4.3-1	The NextGen NAS shall determine the location of patches fog at the surface of super-density terminal airspace with a horizontal accuracy of plus or minus 0.25 km.
314	F1.1.1.1.1.4.4.4	Determine the location of Freezing Fog
316	F1.1.1.1.1.4.4.4-1	The NextGen NAS shall determine the location of freezing fog at the surface of super-density terminal airspace with a horizontal accuracy of plus or minus 0.25 km.
319	F1.1.1.1.1.4.5	Determine Location of Blowing Spray
321	F1.1.1.1.1.4.5-1	The NextGen NAS shall determine the location of blowing spray at the surface of super-density terminal airspace with a horizontal accuracy of plus or minus 0.25 km.
324	F1.1.1.1.1.4.6	Determine Location of Blowing Sand
326	F1.1.1.1.1.4.6-1	The NextGen NAS shall determine the location of blowing sand on the surface of super-density terminal airspace with a horizontal accuracy of plus or minus 0.25 km.
329	F1.1.1.1.1.4.6.1	Determine Location of Low Drifting Sand
331	F1.1.1.1.1.4.6.1-1	The NextGen NAS shall determine the location of low drifting sand at super-density terminal airspace with a horizontal accuracy of plus or minus 0.25 km.
334	F1.1.1.1.1.4.7	Determine Location of Blowing Snow
336	F1.1.1.1.1.4.7-1	The NextGen NAS shall determine the location of low blowing snow at the surface of super-density terminal airspace with a horizontal accuracy of plus or minus 0.25 km.
339	F1.1.1.1.1.4.8	Determine Location of Widespread Dust
341	F1.1.1.1.1.4.8.1-1	The NextGen NAS shall determine the location of widespread dust at the surface of super-density terminal airspace with a horizontal accuracy of plus or minus 0.25 km.
344	F1.1.1.1.1.4.9	Observe Surface Volcanic Ash
346	F1.1.1.1.1.4.9.1	Determine Horizontal Extent of Surface Volcanic Ash
348	F1.1.1.1.1.4.9.1-1	The NextGen NAS shall determine the location of volcanic ash at the surface of super-density terminal airspace with a horizontal accuracy of plus or minus 0.25 km.
351	F1.1.1.1.1.4.10	Determine Horizontal Extent of Surface Obscurations
352	F1.1.1.1.1.4.11	Determine the Beginning Time of Surface Obscurations
354	F1.1.1.1.1.4.11-1	The NextGen NAS shall determine the beginning time of surface obscurations in all terminal airspace with an accuracy of plus or minus 1 minute.
355	F1.1.1.1.1.4.12	Determine the Ending Time of Surface Obscurations
357	F1.1.1.1.1.4.12-1	The NextGen NAS shall determine the ending time of surface obscurations in all terminal airspace with an accuracy of plus or minus 1 minute.
358	F1.1.1.1.1.4.13	Measure Vertical Visibility
360	F1.1.1.1.1.4.13-1	The NextGen NAS shall determine the maximum altitude (MSL) of vertical visibility at super-density terminal airspace with a vertical accuracy of plus or minus 50 feet.
363	F1.1.1.1.1.5	Observe Other Surface Weather

365	F1.1.1.1.1.5.1	Observe Thunderstorms
367	F1.1.1.1.1.5.1-1	The NextGen NAS shall periodically observe the occurrence of thunderstorms within 100 km of the terminal airspace within an interval of 1 minutes or less.
368	F1.1.1.1.1.5.1.1	Calculate Direction of Thunderstorm Movement
370	F1.1.1.1.1.5.1.1-1	The NextGen NAS shall calculate the direction of thunderstorm movement at the surface of super-density terminal airspace with an accuracy of plus or minus 10 degrees.
373	F1.1.1.1.1.5.1.2	Calculate Speed of Thunderstorm Movement
375	F1.1.1.1.1.5.1.2-1	The NextGen NAS shall calculate the speed of thunderstorm movement at the surface of super-density terminal airspace with an accuracy of plus or minus 5 nautical miles per hour.
378	F1.1.1.1.1.5.1.3	Determine Thunderstorm Intensity
380	F1.1.1.1.1.5.1.3-1	The NextGen NAS shall determine thunderstorm intensity at the surface of super-density terminal airspace with an accuracy greater than or equal to 95 percent.
383	F1.1.1.1.1.5.1.4	Determine Horizontal Extent of Thunderstorms
385	F1.1.1.1.1.5.1.4.1-1	The NextGen NAS shall determine the horizontal extent of thunderstorms at the surface of super-density terminal airspace with a horizontal accuracy of plus or minus 0.25 km.
388	F1.1.1.1.1.5.1.5	Determine Vertical Extent of Thunderstorm
390	F1.1.1.1.1.5.1.5-1	The NextGen NAS shall determine the maximum altitude (MSL) of thunderstorms above the surface of super-density terminal airspace to 4,900 feet MSL with a vertical accuracy of plus or minus 50 feet.
393	F1.1.1.1.1.5.1.6	Measure Thunderstorm Cell Intensity
395	F1.1.1.1.1.5.1.6-1	The NextGen NAS shall determine thunderstor+G568m cell intensity at the surface of super-density terminal airspace with an accuracy greater than or equal to 95 percent .
398	F1.1.1.1.1.5.1.7	Determine Thunderstorm Cell Location
400	F1.1.1.1.1.5.1.7-1	The NextGen NAS shall determine the location of thunderstorm cells at the surface of super-density terminal airspace with a horizontal accuracy of plus or minus 0.25 km.
403	F1.1.1.1.1.5.1.8	Determine Thunderstorm Initiation Location
405	F1.1.1.1.1.5.1.8-1	The NextGen NAS shall determine the thunderstorm initiation location at the surface of super-density terminal airspace with an accuracy of plus or minus 0.25 km.
408	F1.1.1.1.1.5.1.9	Determine Thunderstorm Growth Location
410	F1.1.1.1.1.5.1.9-1	The NextGen NAS shall determine the horizontal extent of thunderstorm growth at the surface of super-density terminal airspace with an accuracy of plus or minus 0.25 km.
413	F1.1.1.1.1.5.1.10	Determine Location of Thunderstorm Decay
415	F1.1.1.1.1.5.1.10.1-1	The NextGen NAS shall determine the location of thunderstorm decay at the surface of super-density terminal airspace with an accuracy of plus or minus 0.25 km.
418	F1.1.1.1.1.5.1.11	Determine Beginning Time of Thunderstorms.
420	F1.1.1.1.1.5.1.11-1	The NextGen NAS shall determine the beginning time of a thunderstorm within 100 km of the terminal airspace with an accuracy of plus or minus 1 minute.
421	F1.1.1.1.1.5.1.12	Determine Ending Time of Thunderstorms.
423	F1.1.1.1.1.5.1.12-1	The NextGen NAS shall determine the beginning time of thunderstorm within 100 km of the terminal airspace with an accuracy of plus or minus 1 minute.
424	F1.1.1.1.1.5.1.13	Determine Location of Thunderstorms
426	F1.1.1.1.1.5.1.13-1	The NextGen NAS shall determine the location of thunderstorms in super-density terminal airspace with an accuracy of plus or minus 0.25 km.
429	F1.1.1.1.1.5.2	Observe Mesocyclone
431	F1.1.1.1.1.5.2.1	Determine Location of Mesocyclone
433	F1.1.1.1.1.5.2.1-1	The NextGen NAS shall determine the location of mesocyclones in super-density terminal airspace with a horizontal accuracy of plus or minus 0.25 km.
436	F1.1.1.1.1.5.2.2	Measure Mesocyclone Speed of Movement
438	F1.1.1.1.1.5.2.2-1	The NextGen NAS shall measure the speed of movement of mesocyclones at the surface of super-density terminal airspace with an accuracy of plus or minus 5 nautical miles per hour.
441	F1.1.1.1.1.5.2.3	Measure Mesocyclone Direction of Movement
443	F1.1.1.1.1.5.2.3-1	The NextGen NAS shall measure the direction of movement of mesocyclones at the surface of super-density terminal airspace with an accuracy of plus or minus 10 degrees.
446	F1.1.1.1.1.5.2.4	Measure Mesocyclone Intensity
448	F1.1.1.1.1.5.2.4-1	The NextGen NAS shall measure the intensity of mesocyclones at the surface of super-density terminal airspace with an accuracy greater than or equal to 95 percent.
451	F1.1.1.1.1.5.2.5	Determine the Beginning Time of Mesocyclones
453	F1.1.1.1.1.5.2.5-1	The NextGen NAS shall determine the beginning time of mesocyclones within 100 km of terminal airspace with an accuracy of plus or minus 1 minute.
454	F1.1.1.1.1.5.2.6	Determine the Ending Time of Mesocyclones

456	F1.1.1.1.1.5.2.6-1	The NextGen NAS shall determine the ending time of mesocyclones within 100 km of terminal airspace with an accuracy of plus or minus 1 minute.
457	F1.1.1.1.1.5.3	Observe Gust Fronts
459	F1.1.1.1.1.5.3-1	The NextGen NAS shall periodically observe the occurrence of gust fronts in terminal airspace within an interval of 1 minutes or less.
460	F1.1.1.1.1.5.3.1	Determine Gust Front Location
462	F1.1.1.1.1.5.3.1-1	The NextGen NAS shall determine the location of gust fronts at the surface of super-density terminal airspace with an accuracy of plus or minus 0.25 km.
465	F1.1.1.1.1.5.3.2	Measure Gust Front Movement Direction
470	F1.1.1.1.1.5.3.3	Measure Gust Front Movement Speed
472	F1.1.1.1.1.5.3.3-1	The NextGen NAS shall measure the movement speed of gust fronts at the surface of super-density terminal airspace with an accuracy of plus or minus 5 nautical miles per hour.
475	F1.1.1.1.1.5.3.4	Determine the Time of Gust Fronts
477	F1.1.1.1.1.5.3.4-1	The NextGen NAS shall determine the time of gust fronts within 100 km of super-density terminal airspace with an accuracy of plus or minus 1 minute.
480	F1.1.1.1.1.5.4	Observe Cloud-to-Ground Lightning
482	F1.1.1.1.1.5.4-1	The NextGen NAS shall periodically observe the occurrence of cloud-to-ground lightning within an interval of 1 minute or less.
484	F1.1.1.1.1.5.4.2	Determine the Location of Cloud-to-Ground Lightning
486	F1.1.1.1.1.5.4.2-1	The NextGen NAS shall determine the location of cloud-to-ground lightning in super-density terminal airspace with a accuracy of plus or minus 0.25 km.
489	F1.1.1.1.1.5.4.2-4	The NextGen NAS shall determine the location of cloud-to-ground lightning within 100 km of all FAA facilities with an accuracy of plus or minus 1 km.
490	F1.1.1.1.1.5.4.2-5	The NextGen NAS shall periodically observe the occurrence of cloud-to-ground lightning in terminal airspace within an interval of 1 minute or less.
493	F1.1.1.1.1.5.4.3	Determine Peak Current of Cloud-to-Ground Lightning
495	F1.1.1.1.1.5.4.3-1	The NextGen NAS shall determine the peak current of cloud-to-ground lightning in super-density terminal airspace with an accuracy of plus or minus 5 kilo amperes.
497	F1.1.1.1.1.5.4.4	Determine Polarity (positive/negative) of Cloud-to-Ground Lightning
499	F1.1.1.1.1.5.4.4-1	The NextGen NAS shall determine the polarity (positive or negative) of cloud-to-ground lightning for super-density terminal airspace with an accuracy greater than or equal to 95 percent.
502	F1.1.1.1.1.5.4.5	Determine Flash Multiplicity of Cloud-to-Ground Lightning
504	F1.1.1.1.1.5.4.5-1	The NextGen NAS shall determine the flash multiplicity of cloud-to-ground lightning for super-density terminal airspace with an accuracy greater than or equal to 85 percent.
507	F1.1.1.1.1.5.4.6	Determine the Beginning Time of Cloud-to-Ground Lightning
509	F1.1.1.1.1.5.4.6-1	The NextGen NAS shall determine the beginning time of cloud-to-ground lightning with an accuracy of plus or minus 1 minute.
510	F1.1.1.1.1.5.4.7	Determine the Ending Time of Cloud-to-Ground Lightning
512	F1.1.1.1.1.5.4.7-1	The NextGen NAS shall determine the ending time of cloud-to-ground lightning with an accuracy of plus or minus 1 minute.
513	F1.1.1.1.1.5.5	Observe Wind Shear/Microbursts
515	F1.1.1.1.1.5.5.1	Observe Wind Shear
517	F1.1.1.1.1.5.5.1-1	The NextGen NAS shall periodically observe the occurrence of low-level wind shear at super-density terminal airspace within an interval of 1 minute or less.
521	F1.1.1.1.1.5.5.1-2	The NextGen NAS shall determine the location of low-level wind shear at super-density terminal airspace with a horizontal accuracy of plus or minus 0.25 km.
524	F1.1.1.1.1.5.5.2	Determine Vertical Extent of Low-Level Wind Shear
526	F1.1.1.1.1.5.5.2-1	The NextGen NAS shall determine the vertical extent of low-level wind shear from the surface to 4,900 feet at super-density terminal airspace with an accuracy of plus or minus 50 feet.
530	F1.1.1.1.1.5.5.1.3-1	The NextGen NAS shall calculate the change in wind speed of low-level wind shear at super-density terminal airspace with an accuracy of plus or minus 5 nautical miles per hour.
533	F1.1.1.1.1.5.5.1.3-4	The NextGen NAS shall calculate the change in wind direction due to low-level wind shear at super-density terminal airspace with an accuracy of plus or minus 10 degrees.
538	F1.1.1.1.1.5.5.1.4-1	The NextGen NAS shall determine the movement direction of low-level wind shear at super-density terminal airspace with an accuracy of plus or minus 10 degrees.
541	F1.1.1.1.1.5.5.1.5	Measure Movement Speed of Wind Shear
543	F1.1.1.1.1.5.5.1.5-1	The NextGen NAS shall measure the movement speed of low-level wind shear at super-density terminal airspace with an accuracy of plus or minus 5 nautical miles per hour.
546	F1.1.1.1.1.5.5.1.6	Determine Beginning of Low-Level Wind Shear
548	F1.1.1.1.1.5.5.1.6-1	The NextGen NAS shall determine the beginning time of low-level wind shear at terminals with an accuracy of plus or minus 1 minute.
549	F1.1.1.1.1.5.5.1.7	Determine the Ending Time of Low-Level Wind Shear
551	F1.1.1.1.1.5.5.1.7-1	The NextGen NAS shall determine the ending time of low-level wind shear at terminals with an accuracy of plus or minus 1 minute.

552	F1.1.1.1.1.5.5.2	Observe Microbursts
554	F1.1.1.1.1.5.5.2-1	The NextGen NAS shall periodically observe the occurrence of microbursts in the terminal airspace within an interval of 1 minute or less.
555	F1.1.1.1.1.5.5.2.1	Determine Location of Microbursts
557	F1.1.1.1.1.5.5.2.1-1	The NextGen NAS shall determine the location of microbursts at super-density terminal airspace with a horizontal accuracy of plus or minus 0.25 km.
560	F1.1.1.1.1.5.5.2.2	Determine Vertical Extent of Wind Shear
562	F1.1.1.1.1.5.5.2.2-1	The NextGen NAS shall determine the maximum altitude (AGL) of microbursts in super-density terminal airspace with an accuracy of plus or minus 50 feet.
567	F1.1.1.1.1.5.5.2.3-1	The NextGen NAS shall calculate airspeed loss or gain due to microbursts in super-density terminal airspace with an accuracy of plus or minus 5 nautical miles per hour.
572	F1.1.1.1.1.5.5.2.4-1	The NextGen NAS shall determine the movement direction of microbursts in super-density terminal airspace with an accuracy of plus or minus 10 degrees.
577	F1.1.1.1.1.5.5.2.5-1	The NextGen NAS shall measure the movement speed of microbursts in super-density terminal airspace with an accuracy of plus or minus 5 nautical miles per hour.
580	F1.1.1.1.1.5.5.2.6	Determine the Beginning Time of Wind Shear
582	F1.1.1.1.1.5.5.2.6-1	The NextGen NAS shall determine the beginning time of microbursts in terminals with an accuracy of plus or minus 1 minute.
583	F1.1.1.1.1.5.5.2.7	Determine the Ending Time of Wind Shear
585	F1.1.1.1.1.5.5.2.7-1	The NextGen NAS shall determine the ending time of microbursts at all terminals with an accuracy of plus or minus 1 minute.
586	F1.1.1.1.1.5.6	Observe Squalls
588	F1.1.1.1.1.5.6-1	The NextGen NAS shall periodically observe the occurrence of squalls in the terminal airspace within an interval of 1 minute or less.
589	F1.1.1.1.1.5.6.1	Determine Location of Squalls
591	F1.1.1.1.1.5.6.1-1	The NextGen NAS shall determine the location of squalls at the surface of super-density terminal airspace with an accuracy of plus or minus 0.25 km.
594	F1.1.1.1.1.5.6.2	Measure Squall Wind Speed
596	F1.1.1.1.1.5.6.2-1	The NextGen NAS shall measure squall wind speed at the surface of super-density terminal airspace with an accuracy of plus or minus 5 nautical miles per hour.
601	F1.1.1.1.1.5.6.3-1	The NextGen NAS shall measure squall wind direction at the surface of super-density terminal airspace with an accuracy of plus or minus 10 degrees.
604	F1.1.1.1.1.5.6.4	Determine Beginning Time of Squall
606	F1.1.1.1.1.5.6.4-1	The NextGen NAS shall determine the beginning time of squalls at terminals with an accuracy of plus or minus 1 minute.
607	F1.1.1.1.1.5.6.5	Determine Ending Time of Squall
609	F1.1.1.1.1.5.6.5-1	The NextGen NAS shall determine the ending time of squalls at terminals with an accuracy of plus or minus 1 minute.
610	F1.1.1.1.1.5.7	Observe Tornadic Activity
612	F1.1.1.1.1.5.7.1	Determine Funnel Cloud Location
614	F1.1.1.1.1.5.7.1-1	The NextGen NAS shall determine the location of funnel clouds within 50 km of super-density terminal airspace with an accuracy of 0.25 km.
620	F1.1.1.1.1.5.7.1.1-1	The NextGen NAS shall calculate funnel cloud movement direction within 50 km of super-density terminal airspace with an accuracy of plus or minus 10 degrees.
626	F1.1.1.1.1.5.7.1.2-1	The NextGen NAS shall measure funnel cloud movement speed at super-density terminal airspace with an accuracy of plus or minus 5 nautical miles per hour.
630	F1.1.1.1.1.5.7.1.4	Determine Funnel Cloud Beginning Time
632	F1.1.1.1.1.5.7.1.4-1	The NextGen NAS shall determine funnel cloud beginning time at all terminals with an accuracy of plus or minus 1 minute.
633	F1.1.1.1.1.5.7.1.5	Determine Funnel Cloud Ending Time
635	F1.1.1.1.1.5.7.1.5-1	The NextGen NAS shall determine funnel cloud ending time at all terminals with an accuracy of plus or minus 1 minute.
636	F1.1.1.1.1.5.7.2	Determine Tornado Location
638	F1.1.1.1.1.5.7.2-1	The NextGen NAS shall determine the location of tornadoes at super-density terminal airspace with an accuracy of plus or minus 0.25 km.
642	F1.1.1.1.1.5.7.2.1	Measure Tornado Movement Direction
644	F1.1.1.1.1.5.7.2.1-1	The NextGen NAS shall measure tornado movement direction within 50 km of super-density terminal airspace with an accuracy of plus or minus 10 degrees.
648	F1.1.1.1.1.5.7.2.2	Measure Tornado Movement Speed
650	F1.1.1.1.1.5.7.2.2-1	The NextGen NAS shall measure tornado movement speed within 50 km of super-density terminal airspace with an accuracy of plus or minus 10 degrees.
	F1.1.1.1.1.5.7.2.4	Determine Tornado Cloud Base Height (AGL)
656	F1.1.1.1.1.5.7.2.4-1	The NextGen NAS shall determine tornado cloud base height (AGL) at super-density terminal airspace with an accuracy of plus or minus 50 feet.
	F1.1.1.1.1.5.7.2.5	Determine Tornado Beginning Time
662	F1.1.1.1.1.5.7.2.5-1	The NextGen NAS shall determine beginning time of tornadoes with an accuracy of plus or minus 1 minute.
	F1.1.1.1.1.5.7.2.6	Determine Tornado Ending Time
665	F1.1.1.1.1.5.7.2.6-1	The NextGen NAS shall determine the ending time of tornadoes in terminal airspace with an accuracy of plus or minus 1 minute.
666	F1.1.1.1.1.5.7.3	Determine Water Spout Location

668	F1.1.1.1.1.5.7.3-1	The NextGen NAS shall determine the location of waterspouts at super-density terminal airspace with an accuracy of 0.25 km.
	F1.1.1.1.1.5.7.3.1	Measure Water Spout Movement Direction
674	F1.1.1.1.1.5.7.3.1-1	The NextGen NAS shall measure waterspout movement direction within 50 km of super-density terminal airspace with an accuracy of plus or minus 10 degrees.
	F1.1.1.1.1.5.7.3.2	Measure Water Spout Movement Speed
680	F1.1.1.1.1.5.7.3.2-1	The NextGen NAS shall measure waterspout movement speed within 50 km of super-density terminal airspace with an accuracy of plus or minus 5 nautical miles per hour.
684	F1.1.1.1.1.5.7.3.4	Determine Water Spout Beginning Time
686	F1.1.1.1.1.5.7.3.4-1	The NextGen NAS shall determine beginning time of water spouts in super-density terminal airspace with an accuracy of plus or minus 1 minute.
687	F1.1.1.1.1.5.7.3.5	Determine Water Spout Ending Time
689	F1.1.1.1.1.5.7.3.5-1	The NextGen NAS shall determine ending time of water spouts in super-density terminal airspace with an accuracy of plus or minus 1 minute.
690	F1.1.1.1.1.5.7.3.7	Determine Tornadic Activity Beginning Time
691	F1.1.1.1.1.5.7.3.7	The NextGen NAS shall determine the beginning time of tornadic activity.
692	F1.1.1.1.1.5.7.3.7-1	The NextGen NAS shall determine the beginning time of tornadic activity to an accuracy of plus or minus 1 minute.
693	F1.1.1.1.1.5.7.3.8	Determine Tornadic Activity Ending Time
694	F1.1.1.1.1.5.7.3.7	The NextGen NAS shall determine the ending time of tornadic activity.
695	F1.1.1.1.1.5.7.3.8-1	The NextGen NAS shall determine the ending time of tornadic activity to an accuracy of plus or minus 1 minute.
696	F1.1.1.1.1.5.7.3.9	The NextGen NAS shall periodically observe the occurrence of tornadic activity within an interval of 1 minute or less.
697	F1.1.1.1.1.5.9	Observe Well-Developed Dust/Sand Whirls
699	F1.1.1.1.1.5.9.1	Determine Location of Well-Developed Dust Whirls
701	F1.1.1.1.1.5.9.1-1	The NextGen NAS shall determine the location of well-developed dust whirls at super-density terminal airspace with a horizontal accuracy of plus or minus 0.25 km.
706	F1.1.1.1.1.5.9.2.1-1	The NextGen NAS shall determine the location of sand whirls at super-density terminal airspace with a horizontal accuracy of plus or minus 0.25 km.
709	F1.1.1.1.1.5.9.3	Determine Beginning Time of Well-Developed Dust/Sand Whirls
711	F1.1.1.1.1.5.9.3-1	The NextGen NAS shall determine the beginning time of well-developed dust/sand whirls with an accuracy of plus or minus 1 minute.
712	F1.1.1.1.1.5.9.4	Determine Ending Time of Well-Developed Dust/Sand Whirls
714	F1.1.1.1.1.5.9.4-1	The NextGen NAS shall determine the ending time of well-developed dust/sand whirls with an accuracy of plus or minus 1 minute.
715	F1.1.1.1.1.5.10	Determine Location of Sandstorms
717	F1.1.1.1.1.5.10-1	The NextGen NAS shall periodically observe the occurrence of sandstorms in the terminal airspace within an interval of 1 minute or less.
723	F1.1.1.1.1.5.10.1	Determine Horizontal Extent of Sandstorms
720	F1.1.1.1.1.5.10-1	The NextGen NAS shall determine the location of sandstorms at the surface of super-density terminal airspace with a horizontal accuracy of plus or minus 0.25 km.
728	F1.1.1.1.1.5.10.2	Determine the Vertical Extent of Sandstorms
730	F1.1.1.1.1.5.10.2-1	The NextGen NAS shall determine the maximum altitude (MSL) of sandstorms in super-density terminal airspace from the surface to 4,900 feet with an accuracy of plus or minus 50 feet.
	F1.1.1.1.1.5.10.2-2	The NextGen NAS shall determine the maximum altitude (MSL) of sandstorms in super-density terminal airspace from 5,000 feet to the top of terminal airspace with an accuracy of plus or minus 250 feet.
733	F1.1.1.1.1.5.10.3	Determine Beginning Time of Sandstorms
735	F1.1.1.1.1.5.10.3-1	The NextGen NAS shall determine the beginning time of sandstorms at the surface of super-density terminal airspace with an accuracy of plus or minus 1 minute.
736	F1.1.1.1.1.5.10.4	Determine Ending Time of Sandstorms
738	F1.1.1.1.1.5.10.4-1	The NextGen NAS shall determine the ending time of sandstorms at the surface of super-density terminal airspace with an accuracy of plus or minus 1 minute.
	F1.1.1.1.1.5.10.5	The NextGen NAS shall periodically observe the occurrence of sandstorms in the terminal airspace within an interval of 1 minute or less.
739	F1.1.1.1.1.5.11	Determine Location of Dust storms
741	F1.1.1.1.1.5.11-1	The NextGen NAS shall periodically observe the occurrence of dust storms at the surface of the terminal airspace within an interval of 1 minute or less.
742	F1.1.1.1.1.5.11.1	Determine Horizontal Extent of Dust Storms
744	F1.1.1.1.1.5.11.1-1	The NextGen NAS shall determine the location of dust storms at the surface of super-density terminal airspace with a horizontal accuracy of plus or minus 0.25 km.
749	F1.1.1.1.1.5.11.2-1	The NextGen NAS shall determine the maximum altitude (MSL) of dust storms in super-density terminal airspace with an accuracy of plus or minus 50 feet.
752	F1.1.1.1.1.5.11.3	Determine Beginning Time of Dust Storms

754	F1.1.1.1.1.5.11.3-1	The NextGen NAS shall determine the beginning time of dust storms at the surface of super-density terminal airspace with an accuracy of plus or minus 1 minute.
756	F1.1.1.1.1.5.11.4	The NextGen NAS shall determine the ending time of dust storms.
757	F1.1.1.1.1.5.11.4-1	The NextGen NAS shall determine the ending time of dust storms at the surface of super-density terminal airspace with an accuracy of plus or minus 1 minute.
758	F1.1.1.1.1.5.12	Determine Location of Fog Banks
760	F1.1.1.1.1.5.12.1	Determine Horizontal Extent of Fog Banks
761	F1.1.1.1.1.5.12.1	The NextGen NAS shall determine the horizontal extent of fog banks at super-density terminal airspace with a horizontal accuracy of plus or minus 0.25 km.
762	F1.1.1.1.1.5.12.1-1	The NextGen NAS shall determine the horizontal extent of fog banks at super-density terminal airspace with a horizontal accuracy of plus or minus 0.25 km.
765	F1.1.1.1.1.5.13	Observe Frost
767	F1.1.1.1.1.5.13.1	Determine Horizontal Extent of Frost
769	F1.1.1.1.1.5.13.1-1	The NextGen NAS shall determine the horizontal extent of frost at super-density terminal airspace with a horizontal accuracy of plus or minus 0.25 km.
772	F1.1.1.1.1.5.13.2	Determine Beginning Time of Frost
774	F1.1.1.1.1.5.13.2-1	The NextGen NAS shall determine the beginning time of frost at the surface of super-density terminal airspace with an accuracy of plus or minus 1 minute.
775	F1.1.1.1.1.5.13.3	Determine Ending Time of Frost
777	F1.1.1.1.1.5.13.4	The NextGen NAS shall determine the ending time of frost at the surface of super-density terminal airspace with an accuracy of plus or minus 1 minute.
778	F1.1.1.1.1.6	Observe Wind
780	F1.1.1.1.1.6.1	Measure Wind Direction
783	F1.1.1.1.1.6.1-1	The NextGen NAS shall measure wind direction in super-density terminal airspace from the surface to 4,900 feet with an accuracy of plus or minus 50 feet.
785	F1.1.1.1.1.6.1-2	The NextGen NAS shall measure wind direction in super-density terminal airspace from 5,000 feet to the top of terminal airspace with an accuracy of plus or minus 250 feet.
802	F1.1.1.1.1.6.1-11	The NextGen NAS shall periodically measure wind direction in super-density terminal airspace from the surface to the top of terminal airspace at an interval of 5 minutes or less.
807	F1.1.1.1.1.6.2	Measure Wind Speed
809	F1.1.1.1.1.6.2-1	The NextGen NAS shall measure wind speed from the surface to the top of the NAS with accuracy of plus or minus 1 knot up to 10 knots.
810	F1.1.1.1.1.6.2-2	The NextGen NAS shall measure wind speed from the surface to the top of the NAS with accuracy of plus or minus 10 percent for winds above 10 knots.
812	F1.1.1.1.1.6.2-3	The NextGen NAS shall measure wind speed in super-density terminal airspace from the surface to 4,900 feet with a vertical accuracy of plus or minus 50 feet.
814	F1.1.1.1.1.6.2-4	The NextGen NAS shall measure wind speed in super-density terminal airspace from 5,000 feet to the top of terminal airspace with a vertical accuracy of plus or minus 250 feet.
831	F1.1.1.1.1.6.2-13	The NextGen NAS shall periodically measure wind speed super-density terminal airspace at an interval of 1 minute or less.
832	F1.1.1.1.1.6.2-14	The NextGen NAS shall periodically measure wind speed in super-density terminal airspace from the surface to the top of terminal airspace at an interval of 5 minutes or less.
837	F1.1.1.1.1.6.2.1	Measure Wind Direction for Super-density Runways
840	F1.1.1.1.1.6.2.1-1	The NextGen NAS shall measure wind direction for Super-density runways in degrees with accuracy of plus or minus 0.5 degrees.
841	F1.1.1.1.1.6.2.1-2	The NextGen NAS shall periodically measure wind direction for Super-density runways at an interval of 1 minute or less.
842	F1.1.1.1.1.6.2.2	Measure Wind Speed for Super-density Runways
845	F1.1.1.1.1.6.2.2-1	The NextGen NAS shall measure wind speed for Super-density runways at the surface in knots with accuracy of plus or minus 0.5 knot.
846	F1.1.1.1.1.6.2.2-2	The NextGen NAS shall periodically measure wind speed for Super-density runways at the surface at an interval of 1 minute or less.
847	F1.1.1.1.1.6.2.3	Measure Variable Wind Speed
849	F1.1.1.1.1.6.2.3-1	The NextGen NAS shall measure variable wind speed at the surface of super-density terminal airspace with accuracy of plus or minus 1 knot up to 10 knots.
850	F1.1.1.1.1.6.2.3-2	The NextGen NAS shall measure variable wind speed at the surface of super-density terminal airspace with accuracy of plus or minus 10 percent for winds above 10 knots.
851	F1.1.1.1.1.6.2.3-3	The NextGen NAS shall periodically measure variable wind speed at the surface of super-density terminal airspace at an interval of 1 minute or less.
854	F1.1.1.1.1.6.2.4	Measure Variable Wind Direction
856	F1.1.1.1.1.6.2.4-1	The NextGen NAS shall measure variable wind direction at the surface of super-density terminal airspace with accuracy of plus or minus 5 degrees.
857	F1.1.1.1.1.6.2.4-2	The NextGen NAS shall periodically measure variable wind direction at the surface of super-density terminal airspace at an interval of 1 minute or less.
860	F1.1.1.1.1.6.3	Determine Occurrence of Wind Gusts
862	F1.1.1.1.1.6.3.1	Measure Wind Gust Direction
864	F1.1.1.1.1.6.3.1-1	The NextGen NAS shall measure wind gust direction at the surface with accuracy of plus or minus 0.5 degrees.
865	F1.1.1.1.1.6.3.1-2	The NextGen NAS shall periodically measure wind gust direction at the surface of super-density terminal airspace at an interval of 1 minute or less.

868	F1.1.1.1.1.6.3.2	Measure Wind Gust Speed
870	F1.1.1.1.1.6.3.2-1	The NextGen NAS shall measure wind gust speed at the surface with accuracy of plus or minus 1 knot up to 10 knots.
871	F1.1.1.1.1.6.3.2-2	The NextGen NAS shall measure wind gust speed at the surface with accuracy of plus or minus 10 percent for winds above 10 knots.
872	F1.1.1.1.1.6.3.2-3	The NextGen NAS shall periodically measure wind gust speed at the surface of super-density airspace at an interval of 1 minute or less.
	F1.1.1.1.1.6.3.3	Determine Time of Wind Gust
877	F1.1.1.1.1.6.3.3-1	The NextGen NAS shall periodically determine the time of wind gust at the surface of super-density terminal airspace at an interval of 1 minute or less.
883	F1.1.1.1.1.6.5.1-1	The NextGen NAS shall calculate wind shift at the surface of terminal airspace whenever there occurs a change in wind direction of 45 degrees or more in less than 15 minutes with sustained wind speeds of 10 knots or more.
886	F1.1.1.1.1.6.5.2-1	The NextGen NAS shall calculate the time of the wind shift at the surface of terminal airspace with an accuracy of plus or minus 1 minute.
889	F1.1.1.1.1.6.6.1	Measure Peak Wind Speed
891	F1.1.1.1.1.6.6.1-1	The NextGen NAS shall measure peak wind speed in knots with accuracy of plus or minus 1 knot.
892	F1.1.1.1.1.6.6.1-2	The NextGen NAS shall periodically measure peak wind speed at the surface in super-density terminal airspace at an interval of 1 minute or less.
897	F1.1.1.1.1.6.6.2-1	The NextGen NAS shall measure peak wind direction in degrees at the surface of terminal airspace with accuracy of plus or minus 1 degree.
898	F1.1.1.1.1.6.6.3	Determine Time of Peak Wind
900	F1.1.1.1.1.6.6.3-1	The NextGen NAS shall determine the time of peak wind at the surface of terminal airspace with accuracy of plus or minus 1 minute.
901	F1.1.1.1.1.6.6.3-2	The NextGen NAS shall periodically determine the time of peak wind at the surface in super-density terminal airspace at an interval of 1 minute or less.
904	F1.1.1.1.1.6.8	Determine Runway Winds
906	F1.1.1.1.1.6.8.1	Measure Runway Threshold Wind Direction
908	F1.1.1.1.1.6.8.1-1	The NextGen NAS shall measure runway threshold wind direction in degrees with accuracy of plus or minus 1 degree.
909	F1.1.1.1.1.6.8.1-2	The NextGen NAS shall periodically measure runway threshold wind direction at the surface of super-density terminal airspace at an interval of 1 minute or less.
912	F1.1.1.1.1.6.8.2	Measure Runway Threshold Wind Speed
914	F1.1.1.1.1.6.8.2-1	The NextGen NAS shall measure runway threshold wind speed in knots with accuracy of plus or minus 1 knot.
915	F1.1.1.1.1.6.8.2-2	The NextGen NAS shall periodically measure runway threshold wind speed at the surface of super-density terminal airspace at an interval of 1 minute or less.
918	F1.1.1.1.1.6.8.3	Measure Runway Mid-point Wind Direction
920	F1.1.1.1.1.6.8.3-1	The NextGen NAS shall measure runway midpoint wind direction in degrees with accuracy of plus or minus 1 degree.
921	F1.1.1.1.1.6.8.3-2	The NextGen NAS shall periodically measure runway midpoint wind direction at the surface of in super-density terminal airspace at an interval of 1 minute or less.
924	F1.1.1.1.1.6.8.4	Measure Runway Mid-point Wind Speed
926	F1.1.1.1.1.6.8.4-1	The NextGen NAS shall measure runway midpoint wind speed in knots with accuracy of plus or minus 1 knot.
927	F1.1.1.1.1.6.8.4-2	The NextGen NAS shall periodically measure runway midpoint wind speed at the surface of super-density terminal airspace at an interval of 1 minute or less.
930	F1.1.1.1.1.6.8.5	Measure Runway Departure Wind Direction
932	F1.1.1.1.1.6.8.5-1	The NextGen NAS shall measure runway departure wind direction in degrees with accuracy of plus or minus 1 degrees.
933	F1.1.1.1.1.6.8.5-2	The NextGen NAS shall periodically measure runway departure wind direction at the surface of super-density terminal airspace at an interval of 1 minute or less.
936	F1.1.1.1.1.6.8.6	Measure Runway Departure Wind Speed
938	F1.1.1.1.1.6.8.6-1	The NextGen NAS shall measure runway departure wind speed in knots with accuracy of plus or minus 1 knot.
939	F1.1.1.1.1.6.8.6-2	The NextGen NAS shall periodically measure runway departure wind speed at the surface of super-density terminal airspace at an interval of 1 minute or less.
942	F1.1.1.1.1.7	Observe Surface Visibility
944	F1.1.1.1.1.7.2	Measure Tower Visibility
946	F1.1.1.1.1.7.2-1	The NextGen NAS shall measure tower visibility at super-density terminal airspace with accuracy of plus or minus 0.25 statute miles.
947	F1.1.1.1.1.7.2-2	The NextGen NAS shall periodically measure tower visibility in super-density terminal airspace at an interval of 1 minute or less.
950	F1.1.1.1.1.7.4	Measure Prevailing Visibility
952	F1.1.1.1.1.7.4-1	The NextGen NAS shall measure prevailing visibility in statute miles with accuracy of plus or minus 0.25 statute miles.
953	F1.1.1.1.1.7.4-2	The NextGen NAS shall periodically measure prevailing visibility at the surface of super-density terminal airspace at an interval of 1 minute or less.
956	F1.1.1.1.1.7.4.1	Measure Variable Prevailing Visibility
958	F1.1.1.1.1.7.4.1-1	The NextGen NAS shall measure variable prevailing visibility in statute miles with accuracy of plus or minus 0.25 statute miles.
959	F1.1.1.1.1.7.4.1-2	The NextGen NAS shall periodically measure variable prevailing visibility at the surface of super-density terminal airspace at an interval of 1 minute or less.
962	F1.1.1.1.1.7.5	Measure Sector Visibility
964	F1.1.1.1.1.7.5-1	The NextGen NAS shall measure sector visibility in statute miles with accuracy of plus or minus 0.25 statute miles.

965	F1.1.1.1.1.7.5-2	The NextGen NAS shall periodically measure sector visibility at the surface of super-density terminal airspace at an interval of 1 minute or less.
968	F1.1.1.1.1.8	Determine RVR
970	F1.1.1.1.1.8	Measure RVR at Touchdown
972	F1.1.1.1.1.8.1-1	The NextGen NAS shall measure RVR at touchdown at the surface of super-density terminal airspace when the visibility is less than 1,300 feet with accuracy of plus or minus 20 feet.
973	F1.1.1.1.1.8.1-2	The NextGen NAS shall measure RVR at touchdown at the surface of super-density terminal airspace when the visibility is 1,300 feet or greater but less than 2,600 feet with accuracy of plus or minus 30 feet.
974	F1.1.1.1.1.8.1-3	The NextGen NAS shall measure RVR at touchdown at the surface of super-density terminal airspace when the visibility is greater than 2,600 feet with accuracy of plus or minus 5 percent.
981	F1.1.1.1.1.8.1-10	The NextGen NAS shall periodically measure RVR at touchdown at the surface of super-density terminal airspace at an interval of 1 minute or less
984	F1.1.1.1.1.8.2	Measure RVR at Mid-point
986	F1.1.1.1.1.8.2-1	The NextGen NAS shall measure RVR at midpoint at the surface of super-density terminal airspace when the visibility is less than 1,300 feet with accuracy of plus or minus 20 feet.
987	F1.1.1.1.1.8.2-2	The NextGen NAS shall measure RVR at midpoint at the surface of super-density terminal airspace when the visibility is 1,300 feet or greater but less than 2,600 feet with accuracy of plus or minus 30 feet.
988	F1.1.1.1.1.8.2-3	The NextGen NAS shall measure RVR at midpoint at the surface of super-density terminal airspace when the visibility is greater than 2,600 feet with accuracy of plus or minus 5 percent.
995	F1.1.1.1.1.8.2-10	The NextGen NAS shall periodically measure RVR at midpoint at the surface of super-density terminal airspace at an interval of 1 minute or less
998	F1.1.1.1.1.8.3	Measure RVR at Rollout
1000	F1.1.1.1.1.8.3-1	The NextGen NAS shall measure RVR at rollout at the surface of super-density terminal airspace when the visibility is less than 1,300 feet with accuracy of plus or minus 20 feet.
1001	F1.1.1.1.1.8.3-2	The NextGen NAS shall measure RVR at rollout at the surface of super-density terminal airspace when the visibility is 1,300 feet or greater but less than 2,600 feet with accuracy of plus or minus 30 feet.
1002	F1.1.1.1.1.8.3-3	The NextGen NAS shall measure RVR at rollout at the surface of super-density terminal airspace when the visibility is greater than 2,600 feet with accuracy of plus or minus 5 percent.
1009	F1.1.1.1.1.8.3-10	The NextGen NAS shall periodically measure RVR at rollout at the surface of super-density terminal airspace at an interval of 1 minute or less
1012	F1.1.1.1.1.8.4	Calculate RVR 10-Minute Average
1014	F1.1.1.1.1.8.4-1	The NextGen NAS shall calculate the RVR 10-minute average at the surface of super-density terminal airspace with accuracy of plus or minus 50 feet.
1017	F1.1.1.1.1.8.4-4	The NextGen NAS shall periodically measure the RVR 10-minute average at the surface of super-density terminal airspace at an interval of 1 minute or less.
1020	F1.1.1.1.1.9	Observe Pressure Parameters.
1022	F1.1.1.1.1.9.1	Measure Barometric Pressure
1024	F1.1.1.1.1.9.1.1-1	The NextGen NAS shall measure barometric pressure with accuracy of plus or minus 0.02 inches of mercury.
1025	F1.1.1.1.1.9.1.1-2	The NextGen NAS shall periodically measure barometric pressure in super-density terminal airspace at an interval of 1 minute or less.
1030	F1.1.1.1.1.9.2-1	The NextGen shall calculate the sea level pressure with accuracy of plus or minus 0.68 hectopascals.
1031	F1.1.1.1.1.9.2-2	The NextGen NAS shall periodically calculate sea level pressure at the surface of super-density terminal airspace at an interval of 1 minute or less.
1034	F1.1.1.1.1.9.3	Calculate Station Pressure
1036	F1.1.1.1.1.9.3-1	The NextGen shall calculate the station pressure with accuracy of plus or minus 0.02 hundredths of inch of mercury.
1037	F1.1.1.1.1.9.3-2	The NextGen NAS shall periodically measure station pressure at the surface of super-density terminal airspace at an interval of 1 minute or less.
1040	F1.1.1.1.1.9.4	Calculate Pressure Change
1042	F1.1.1.1.1.9.4-1	The NextGen shall calculate pressure change with accuracy of plus or minus 0.02 hundredths of inch of mercury.
1043	F1.1.1.1.1.9.4-2	The NextGen NAS shall periodically calculate pressure change at the surface of super-density terminal airspace at an interval of 1 minute or less.
1046	F1.1.1.1.1.9.5	Calculate Pressure Tendency
1048	F1.1.1.1.1.9.5-1	The NextGen shall calculate pressure change with accuracy of plus or minus 0.02 hundredths of an inch.
1049	F1.1.1.1.1.9.5-2	The NextGen NAS shall periodically calculate pressure change at the surface of super-density terminal airspace at an interval of 1 minute or less.
1052	F1.1.1.1.1.9.5.1	Determine Pressure Rising Rapidly)
1054	F1.1.1.1.1.9.5.1-1	The NextGen shall determine pressure rising rapidly with accuracy of plus or minus 0.02 hundredths of inch.
1055	F1.1.1.1.1.9.5.1-2	The NextGen NAS shall periodically determine pressure rising rapidly at the surface of super-density terminal airspace at an interval of 1 minute or less.
1058	F1.1.1.1.1.9.5.2	Determine Pressure Falling Rapidly
1060	F1.1.1.1.1.9.5.2-1	The NextGen shall determine pressure falling rapidly with accuracy of plus or minus 0.02 hundredths of inch.
1061	F1.1.1.1.1.9.5.2-2	The NextGen NAS shall periodically determine pressure falling rapidly at the surface of super-density terminal airspace at an interval of 1 minute or less.

1064	F1.1.1.1.1.9.5.3	Calculate 3-Hour Pressure Tendency
1066	F1.1.1.1.1.9.5.3-1	The NextGen shall determine the 3-hour pressure tendency with accuracy of plus or minus 0.02 hundredths of inch.
1067	F1.1.1.1.1.9.5.3-2	The NextGen NAS shall periodically determine the 3-hour pressure tendency at the surface of super-density terminal airspace at an interval of 1 minute or less.
1070	F1.1.1.1.1.9.6	Calculate Airport Altimeter Setting
1072	F1.1.1.1.1.9.6-1	The NextGen shall calculate the airport altimeter setting with accuracy of plus or minus 0.02 hundredths of inch of mercury.
1073	F1.1.1.1.1.9.6-2	The NextGen NAS shall periodically measure airport altimeter setting at the surface of super-density terminal airspace at an interval of 1 minute or less.
1076	F1.1.1.1.1.9.7	Calculate Airport Density Altitude
1078	F1.1.1.1.1.9.7-2	The NextGen NAS shall calculate airport density altitude with accuracy of plus or minus 50 feet.
1079	F1.1.1.1.1.9.7-3	The NextGen NAS shall periodically calculate airport density altitude at the surface of super-density terminal airspace at an interval of 1 minute or less.
1082	F1.1.1.1.1.10	Observe Sky Conditions
1084	F1.1.1.1.1.10.1	Determine Sky Cover
1088	F1.1.1.1.1.10.1.1-1	The NextGen NAS shall calculate sky cover (few, scattered, broken or overcast) with accuracy of greater than 96 percent.
1089	F1.1.1.1.1.10.2	Measure Each Cloud Layer Height
1091	F1.1.1.1.1.10.2-1	The NextGen NAS shall measure each cloud layer height with vertical accuracy of plus or minus 50 feet.
1093	F1.1.1.1.1.10.2-2	The NextGen NAS shall measure each cloud layer height in super-density terminal airspace from the surface to 4,900 feet with a vertical accuracy of plus or minus 50 feet.
1095	F1.1.1.1.1.10.2-3	The NextGen NAS shall measure each cloud layer height in super-density terminal airspace from 5,000 feet to the top of terminal airspace with a vertical accuracy of plus or minus 250 feet.
1104	F1.1.1.1.1.10.2-8	The NextGen NAS shall periodically measure each cloud layer height in super-density terminal airspace at an interval of 1 minute or less.
1105	F1.1.1.1.1.6.2-9	The NextGen NAS shall periodically measure each cloud layer height in super-density terminal airspace from the surface to the top of terminal airspace at an interval of 5 minutes or less.
1113	F1.1.1.1.1.10.2.1-1	The NextGen NAS shall determine the lowest few cloud layer in super-density terminal airspace from the surface to the top of terminal airspace with horizontal accuracy of 0.25 km.
1115	F1.1.1.1.1.10.2.1-2	The NextGen NAS shall determine the lowest few cloud layer in super-density terminal airspace from the surface to 4,900 feet with vertical accuracy of plus or minus 50 feet.
1117	F1.1.1.1.1.10.2.1-3	The NextGen NAS shall determine the lowest few cloud layer in super-density terminal airspace from 5,000 feet to the top of terminal airspace with vertical accuracy of plus or minus 250 feet.
1138	F1.1.1.1.1.10.2.1-14	The NextGen NAS shall periodically determine the lowest few cloud layer in super-density terminal airspace at an interval of 1 minute or less.
1146	F1.1.1.1.1.10.2.2-1	The NextGen NAS shall determine the lowest broken cloud layer in super-density terminal airspace from the surface to the top of terminal airspace with horizontal accuracy of 0.25 km.
1148	F1.1.1.1.1.10.2.2-2	The NextGen NAS shall determine the lowest broken cloud layer in super-density terminal airspace from the surface to 4,900 feet with vertical accuracy of plus or minus 50 feet.
1150	F1.1.1.1.1.10.2.2-3	The NextGen NAS shall determine the lowest broken cloud layer in super-density terminal airspace from 5,000 feet to the top of terminal airspace with vertical accuracy of plus or minus 250 feet.
1171	F1.1.1.1.1.10.2.2-14	The NextGen NAS shall periodically determine the lowest broken cloud layer in super-density terminal airspace at an interval of 1 minute or less.
1176	F1.1.1.1.1.10.2.3	Determine overcast cloud Layer
1179	F1.1.1.1.1.10.2.3-1	The NextGen NAS shall determine the overcast cloud layer in super-density terminal airspace from the surface to the top of terminal airspace with horizontal accuracy of 0.25 km.
1181	F1.1.1.1.1.10.2.3-2	The NextGen NAS shall determine the overcast cloud layer in super-density terminal airspace from the surface to 4,900 feet with vertical accuracy of plus or minus 50 feet.
1183	F1.1.1.1.1.10.2.3-3	The NextGen NAS shall determine the overcast cloud layer in super-density terminal airspace from 5,000 feet to the top of terminal airspace with vertical accuracy of plus or minus 250 feet.
1204	F1.1.1.1.1.10.2.3-14	The NextGen NAS shall periodically determine the overcast cloud layer in super-density terminal airspace at an interval of 1 minute or less.
1212	F1.1.1.1.1.10.2.4-1	The NextGen NAS shall determine the lowest scattered cloud layer in super-density terminal airspace from the surface to the top of terminal airspace with horizontal accuracy of 0.25 km.
1214	F1.1.1.1.1.10.2.4-2	The NextGen NAS shall determine the lowest scattered cloud layer in super-density terminal airspace from the surface to 4,900 feet with vertical accuracy of plus or minus 50 feet.
1216	F1.1.1.1.1.10.2.4-3	The NextGen NAS shall determine the lowest scattered cloud layer in super-density terminal airspace from 5,000 feet to the top of terminal airspace with vertical accuracy of plus or minus 250 feet.
1237	F1.1.1.1.1.10.2.4-14	The NextGen NAS shall periodically determine the lowest scattered cloud layer in super-density terminal airspace at an interval of 1 minute or less.
1242	F1.1.1.1.1.10.2.6	Determine 2nd lowest broken cloud Layer

1245	F1.1.1.1.1.10.2.6-1	The NextGen NAS shall determine the 2nd lowest broken cloud layer in super-density terminal airspace from the surface to the top of terminal airspace with horizontal accuracy of 0.25 km.
1247	F1.1.1.1.1.10.2.6-2	The NextGen NAS shall determine the 2nd lowest broken cloud layer in super-density terminal airspace from the surface to 4,900 feet with vertical accuracy of plus or minus 50 feet.
1249	F1.1.1.1.1.10.2.6-3	The NextGen NAS shall determine the 2nd lowest broken cloud layer in super-density terminal airspace from 5,000 feet to the top of terminal airspace with vertical accuracy of plus or minus 250 feet.
1270	F1.1.1.1.1.10.2.6-14	The NextGen NAS shall periodically determine the 2nd lowest broken cloud layer in super-density terminal airspace at an interval of 1 minute or less.
1275	F1.1.1.1.1.10.2.5	Determine 2nd lowest scattered layer
1278	F1.1.1.1.1.10.2.5-1	The NextGen NAS shall determine the 2nd lowest scattered layer in super-density terminal airspace from the surface to the top of terminal airspace with horizontal accuracy of 0.25 km.
1280	F1.1.1.1.1.10.2.5-2	The NextGen NAS shall determine the 2nd lowest scattered layer in super-density terminal airspace from the surface to 4,900 feet with vertical accuracy of plus or minus 50 feet.
1282	F1.1.1.1.1.10.2.5-3	The NextGen NAS shall determine the 2nd lowest scattered layer in super-density terminal airspace from 5,000 feet to the top of terminal airspace with vertical accuracy of plus or minus 250 feet.
1308	F1.1.1.1.1.10.2.7	Determine highest broken cloud Layer
1311	F1.1.1.1.1.10.2.7-1	The NextGen NAS shall determine the highest broken cloud layer in super-density terminal airspace from the surface to the top of terminal airspace with horizontal accuracy of 0.25 km.
1313	F1.1.1.1.1.10.2.7-2	The NextGen NAS shall determine the highest broken cloud layer in super-density terminal airspace from the surface to 4,900 feet with vertical accuracy of plus or minus 50 feet.
1315	F1.1.1.1.1.10.2.7-3	The NextGen NAS shall determine the highest broken cloud layer in super-density terminal airspace from 5,000 feet to the top of terminal airspace with vertical accuracy of plus or minus 250 feet.
1336	F1.1.1.1.1.10.2.7-14	The NextGen NAS shall periodically determine the highest broken cloud layer in super-density terminal airspace at an interval of 1 minute or less.
1341	F1.1.1.1.1.10.2.8	Determine highest scattered cloud Layer
1344	F1.1.1.1.1.10.2.8-1	The NextGen NAS shall determine the highest scattered cloud layer in super-density terminal airspace from the surface to the top of terminal airspace with horizontal accuracy of 0.25 km.
1346	F1.1.1.1.1.10.2.8-2	The NextGen NAS shall determine the highest scattered cloud layer in super-density terminal airspace from the surface to 4,900 feet with vertical accuracy of plus or minus 50 feet.
1348	F1.1.1.1.1.10.2.8-3	The NextGen NAS shall determine the highest scattered cloud layer in super-density terminal airspace from 5,000 feet to the top of terminal airspace with vertical accuracy of plus or minus 250 feet.
1369	F1.1.1.1.1.10.2.8-14	The NextGen NAS shall periodically determine the highest scattered cloud layer in super-density terminal airspace at an interval of 1 minute or less.
1374	F1.1.1.1.1.10.3	Determine Cloud Ceiling
1376	F1.1.1.1.1.10.3.1	Measure Lowest Cloud Ceiling
1379	F1.1.1.1.1.10.3.1-1	The NextGen NAS shall measure the lowest cloud ceiling in super-density terminal airspace from the surface to the top of terminal airspace with horizontal accuracy of 0.25 km.
1381	F1.1.1.1.1.10.3.1-2	The NextGen NAS shall measure the lowest cloud ceiling in super-density terminal airspace from the surface to 4,900 feet with vertical accuracy of plus or minus 50 feet.
1383	F1.1.1.1.1.10.3.1-3	The NextGen NAS shall measure the lowest cloud ceiling in super-density terminal airspace from 5,000 feet to the top of terminal airspace with vertical accuracy of plus or minus 250 feet.
1404	F1.1.1.1.1.10.3.1-14	The NextGen NAS shall periodically measure the lowest cloud ceiling in super-density terminal airspace at an interval of 1 minute or less.
1412	F1.1.1.1.1.10.3.2-1	The NextGen NAS shall measure variable cloud ceiling in super-density terminal airspace from the surface to the top of terminal airspace with horizontal accuracy of 0.25 km.
1414	F1.1.1.1.1.10.3.2-2	The NextGen NAS shall measure variable cloud ceiling in super-density terminal airspace from the surface to 4,900 feet with vertical accuracy of plus or minus 50 feet.
1416	F1.1.1.1.1.10.3.2-3	The NextGen NAS shall measure variable cloud ceiling in super-density terminal airspace from 5,000 feet to the top of terminal airspace with vertical accuracy of plus or minus 250 feet.
1437	F1.1.1.1.1.10.3.2-15	The NextGen NAS shall periodically measure variable cloud ceiling in super-density terminal airspace at an interval of 1 minute or less.
1444	F1.1.1.1.1.10.4-1	The NextGen NAS shall determine cumulonimbus cloud type with an accuracy greater than or equal to 98 percent.
1445	F1.1.1.1.1.10.4-2	The NextGen NAS shall determine towering cumulonimbus cloud type with an accuracy greater than or equal to 98 percent.
1446	F1.1.1.1.1.10.4-3	The NextGen NAS shall determine altocumulus castellanus cloud type with an accuracy greater than or equal to 98 percent.
1447	F1.1.1.1.1.10.4-4	The NextGen NAS shall determine cumulonimbus mammatus cloud type with an accuracy greater than or equal to 98 percent.
1448	F1.1.1.1.1.10.4-5	The NextGen NAS shall determine standing lenticular cloud type with an accuracy greater than or equal to 98 percent.
1449	F1.1.1.1.1.10.4-6	The NextGen NAS shall determine rotor cloud type with an accuracy greater than or equal to 98 percent.

1453	F1.1.1.1.1.10.5.1-1	The NextGen NAS shall determine the maximum altitude of cloud tops in super-density terminal airspace from the surface to the top of terminal airspace with horizontal accuracy of 0.25 km.
1455	F1.1.1.1.1.10.5.1-2	The NextGen NAS shall determine the maximum altitude of cloud tops in super-density terminal airspace from the surface to 4,900 feet with vertical accuracy of plus or minus 50 feet.
1457	F1.1.1.1.1.10.5.1-3	The NextGen NAS shall determine the maximum altitude of cloud tops in super-density terminal airspace from 5,000 feet to the top of terminal airspace with vertical accuracy of plus or minus 250 feet.
1478	F1.1.1.1.1.10.5.1-14	The NextGen NAS shall periodically determine the maximum altitude of cloud tops in super-density terminal airspace at an interval of 1 minute or less.
1483	F1.1.1.1.1.11	Observe Airport Surface Temperature
1485	F1.1.1.1.1.11.1	Measure Surface Temperature
1487	F1.1.1.1.1.11.1-1	The NextGen NAS shall measure temperature with accuracy of plus or minus 0.5 degrees Celsius.
1489	F1.1.1.1.1.11.1-2	The NextGen NAS shall measure temperature in super-density terminal airspace from the surface to 4,900 above the surface with a vertical accuracy of plus or minus 50 feet.
1491	F1.1.1.1.1.11.1-3	The NextGen NAS shall measure temperature in super-density terminal airspace from 5,000 feet to the top of terminal airspace with a vertical accuracy of plus or minus 250 feet.
1508	F1.1.1.1.1.11.1-12	The NextGen NAS shall periodically measure temperature at the surface of super-density terminal airspace with an interval of 1 minute or less.
1509	F1.1.1.1.1.11.1-13	The NextGen NAS shall periodically measure temperature in super-density terminal airspace from the surface to the top of terminal airspace at an interval of 5 minutes or less.
1514	F1.1.1.1.1.11.1.1	Determine Surface Maximum Temperature
1516	F1.1.1.1.1.11.1.1-1	The NextGen NAS shall determine the surface maximum temperature with an accuracy of plus or minus 0.6 degrees Celsius.
1517	F1.1.1.1.1.11.1.2	Measure Surface Dewpoint Temperature
1519	F1.1.1.1.1.11.1.2-1	The NextGen NAS shall measure surface dewpoint temperature with accuracy of plus or minus 0.6 degrees Celsius.
1521	F1.1.1.1.1.11.2-2	The NextGen NAS shall measure surface dewpoint temperature in super-density terminal airspace from the surface to 4,900 above the surface with a vertical accuracy of plus or minus 50 feet.
1523	F1.1.1.1.1.11.2-3	The NextGen NAS shall measure surface dewpoint temperature in super-density terminal airspace from 5,000 feet to the top of terminal airspace with a vertical accuracy of plus or minus 250 feet.
1546	F1.1.1.1.1.11.1.3	Determine Surface Minimum Temperature
1548	F1.1.1.1.1.11.1.3-1	The NextGen NAS shall determine minimum temperature with accuracy of plus or minus 0.6 degrees Celsius.
1549	F1.1.1.1.1.11.1.3-2	The NextGen NAS shall periodically determine surface minimum temperature at the surface of super-density terminal airspace with an interval of 1 minute or less.
1558	F1.1.1.1.1.11.2-2	The NextGen NAS shall measure runway surface temperature at the surface of super-density terminal airspace with an accuracy of plus or minus 0.6 degrees Celsius.
1560	F1.1.1.1.1.11.2-3	The NextGen NAS shall periodically determine runway surface temperature in super-density terminal airspace with an interval of 1 minute or less.
1564	F1.1.1.1.1.11.3-1	The NextGen NAS shall calculate relative humidity in super-density terminal airspace from the surface to the top of the NAS in per cent with an accuracy of plus or minus 3 percent.
1566	F1.1.1.1.1.11.3-2	The NextGen NAS shall calculate relative humidity in super-density terminal airspace from the surface to 4,900 above the surface with a vertical accuracy of plus or minus 50 feet.
1568	F1.1.1.1.1.11.3-3	The NextGen NAS shall calculate relative humidity in super-density terminal airspace from 5,000 feet to the top of terminal airspace with a vertical accuracy of plus or minus 250 feet.
1591	F1.1.1.1.1.12	Observe Ocean Surface Conditions
1593	F1.1.1.1.1.12.1	Determine Ocean Wave Height
1595	F1.1.1.1.1.12.1-1	The NextGen shall measure ocean wave height in feet with an accuracy of plus or minus 0.5 feet.
1596	F1.1.1.1.1.12.1-2	The NextGen NAS shall periodically determine ocean wave height at the surface of super-density terminal airspace with an interval of 1 minute or less.
1599	F1.1.1.1.1.12.2	Determine Ocean Swell Height
1601	F1.1.1.1.1.12.2-1	The NextGen shall measure ocean swell height in feet with an accuracy of plus or minus 0.5 feet.
1602	F1.1.1.1.1.12.2-2	The NextGen NAS shall periodically determine ocean swell height at the surface of super-density terminal airspace with an interval of 1 minute or less.
1607	F1.1.1.1.1.12.3-1	The NextGen shall measure ocean wave direction in degrees to the nearest 10 degrees with an accuracy of plus or minus 5 degrees.
1608	F1.1.1.1.1.12.3-2	The NextGen NAS shall periodically determine ocean wave direction at the surface of super-density terminal airspace with an interval of 1 minute or less.
1611	F1.1.1.1.1.12.4	Determine Ocean Swell Direction
1613	F1.1.1.1.1.12.4-1	The NextGen shall measure ocean swell direction in degrees to the nearest 10 degrees with an accuracy of plus or minus 5 degrees.
1614	F1.1.1.1.1.12.4-2	The NextGen NAS shall periodically determine ocean swell direction at the surface of super-density terminal airspace with an interval of 1 minute or less.
1619	F1.1.1.1.1.12.5-1	The NextGen NAS shall measure ocean surface temperature in degrees Celsius with accuracy of plus or minus 0.5 degrees Celsius.
1626	F1.1.1.1.1.12.6	Determine Ocean Ice Obstructions

1628	F1.1.1.1.1.12.6-1	The NextGen NAS shall determine ocean ice obstructions with a probability of detection of 98 percent.
1635	F1.1.1.1.1.13	Observe Large Lake Surface Conditions
1637	F1.1.1.1.1.13.1	Determine Large Lake Wave Height
1639	F1.1.1.1.1.13.1-1	The NextGen shall determine large lake wave height in feet with an accuracy of plus or minus 0.5 feet.
1640	F1.1.1.1.1.13.1-2	The NextGen NAS shall periodically determine large lake wave height at the surface of super-density terminal airspace with an interval of 1 minute or less.
1643	F1.1.1.1.1.13.2	Determine Large Lake Wave Direction
1645	F1.1.1.1.1.13.2-1	The NextGen shall measure large lake wave direction in degrees to the nearest 10 degrees with an accuracy of plus or minus 5 degrees.
1646	F1.1.1.1.1.13.2-2	The NextGen NAS shall periodically determine large lake wave direction at the surface of super-density terminal airspace with an interval of 1 minute or less.
1649	F1.1.1.1.1.13.3	Determine Large Lake Surface Temperature
1651	F1.1.1.1.1.13.3-1	The NextGen NAS shall periodically determine large lake wave height at the surface of super-density terminal airspace with an interval of 1 minute or less.
1654	F1.1.1.1.2	Observe Atmospheric Conditions Aloft
1656	F1.1.1.1.2.1	Observe Winds Aloft
1657		See F.1.1.1.1.6.1
1658	F1.1.1.1.2.1	Measure Wind Direction Aloft
1659		See F1.1.1.1.6.1.1
1660	F1.1.1.1.2.1.2	Measure Wind Speed Aloft
1661		See F1.1.1.1.6.121
1664	F1.1.1.1.2.2.1-1	The NextGen NAS shall determine slant range visibility for approach/departure corridors at super-density terminal airports with accuracy of plus or minus 0.5 statute miles.
1666	F1.1.1.1.2.2.1-3	The NextGen NAS shall determine slant range visibility for approach/departure corridors at super-density terminal airports from the surface to the top of terminal airspace with horizontal accuracy of 1 km.
1668	F1.1.1.1.2.2.1-5	The NextGen NAS shall determine slant range visibility for approach/departure corridors at super-density terminal airports from the surface to the top of terminal airspace with vertical accuracy of 50 feet.
1669	F1.1.1.1.2.2.1-6	The NextGen NAS shall periodically determine slant range visibility for approach/departure corridors at super-density terminal airports with an interval of 1 minute or less.
1670	F1.1.1.1.2.2.2	Determine Location of Smoke Aloft
1672	F1.1.1.1.2.2.2-1	The NextGen NAS shall determine the location of smoke aloft in super-density terminal airspace with horizontal accuracy of 0.25 km.
1674	F1.1.1.1.2.2.2-2	The NextGen NAS shall determine the location of smoke aloft in super-density terminal airspace from the surface to 4,900 feet with a vertical accuracy of plus or minus 50 feet.
1676	F1.1.1.1.2.2.2-3	The NextGen NAS shall determine the location of smoke aloft in super-density terminal airspace from 5,000 feet to the top of terminal airspace with a vertical accuracy of plus or minus 250 feet.
1701	F1.1.1.1.2.2.2-16	The NextGen NAS shall periodically determine the location of smoke aloft in super-density terminal airspace from the surface to the top of terminal airspace at an interval of 5 minutes or less.
1706	F1.1.1.1.2.2.3	Determine Location of Blowing Dust Aloft
1708	F1.1.1.1.2.2.3-1	The NextGen NAS shall determine the location of blowing dust aloft in super-density terminal airspace with horizontal accuracy of 0.25 km.
1710	F1.1.1.1.2.2.3-2	The NextGen NAS shall determine the location of blowing dust aloft in super-density terminal airspace from the surface to 4,900 feet with a vertical accuracy of plus or minus 50 feet.
1712	F1.1.1.1.2.2.3-3	The NextGen NAS shall determine the location of blowing dust aloft in super-density terminal airspace from 5,000 feet to the top of terminal airspace with a vertical accuracy of plus or minus 250 feet.
1737	F1.1.1.1.2.2.3-16	The NextGen NAS shall periodically determine the location of blowing dust aloft in super-density terminal airspace from the surface to the top of terminal airspace at an interval of 5 minutes or less.
1742	F1.1.1.1.2.2.4	Determine Location of Mist Aloft
1744	F1.1.1.1.2.2.4-1	The NextGen NAS shall determine the location of mist aloft in super-density terminal airspace with horizontal accuracy of 0.25 km.
1746	F1.1.1.1.2.2.4-2	The NextGen NAS shall determine the location of mist aloft in super-density terminal airspace from the surface to the top of terminal airspace with a vertical accuracy of plus or minus 50 feet.
1748	F1.1.1.1.2.2.4-3	The NextGen NAS shall determine the location of mist aloft in super-density terminal airspace from 5,000 feet to the top of terminal airspace with a vertical accuracy of plus or minus 250 feet.
1773	F1.1.1.1.2.2.4-16	The NextGen NAS shall periodically determine the location of mist aloft in super-density terminal airspace from the surface to the top of terminal airspace at an interval of 5 minutes or less.
1778	F1.1.1.1.2.2.5	Determine Location of Haze Aloft
1781	F1.1.1.1.2.2.5-1	The NextGen NAS shall determine the location of haze aloft in super-density terminal airspace with horizontal accuracy of 0.25 km.

1783	F1.1.1.1.2.2.5-2	The NextGen NAS shall determine the location of haze aloft in super-density terminal airspace from the surface 5,000 feet with a vertical accuracy of plus or minus 50 feet.
1785	F1.1.1.1.2.2.5-3	The NextGen NAS shall determine the location of haze aloft in super-density terminal airspace from 5,000 feet to the top of terminal airspace with a vertical accuracy of plus or minus 250 feet.
1810	F1.1.1.1.2.2.5-16	The NextGen NAS shall periodically determine the location of haze aloft in super-density terminal airspace from the surface to the top of terminal airspace at an interval of 5 minutes or less.
1815	F1.1.1.1.2.2.6	Determine Maximum Altitude of Surface Obscuration
1817	F1.1.1.1.2.3	Observe Temperature Aloft
1819	F1.1.1.1.2.3.1	Measure Atmospheric Temperature Aloft
1821	F1.1.1.1.2.3.1-1	The NextGen NAS shall determine the temperature with an accuracy of plus or minus 0.6 degrees Celsius.
1823	F1.1.1.1.2.3.1-2	The NextGen NAS shall measure temperature aloft in super-density terminal airspace from the surface to 4,900 above the surface with a vertical accuracy of plus or minus 50 feet.
1825	F1.1.1.1.2.3.1-3	The NextGen NAS shall measure temperature aloft in super-density terminal airspace from 5,000 feet to the top of terminal airspace with a vertical accuracy of plus or minus 250 feet.
1842	F1.1.1.1.2.3.1-12	The NextGen NAS shall periodically measure temperature aloft at the surface of super-density terminal airspace with an interval of 1 minute or less.
1843	F1.1.1.1.2.3.1-13	The NextGen NAS shall periodically measure temperature aloft in super-density terminal airspace from the surface to the top of terminal airspace at an interval of 5 minutes or less.
1847	F1.1.1.1.2.3.2	Measure Atmospheric Dewpoint Aloft
1849	F1.1.1.1.2.3.2-1	The NextGen NAS shall measure dewpoint temperature with accuracy of plus or minus 0.6 degrees Celsius.
1851	F1.1.1.1.2.3.2-2	The NextGen NAS shall measure dewpoint temperature in super-density terminal airspace from the surface to 4,900 above the surface with a vertical accuracy of plus or minus 50 feet.
1853	F1.1.1.1.2.3.2-3	The NextGen NAS shall measure dewpoint temperature in super-density terminal airspace from 5,000 feet to the top of terminal airspace with a vertical accuracy of plus or minus 250 feet.
1870	F1.1.1.1.2.3.2-12	The NextGen NAS shall periodically measure dewpoint temperature at the surface of super-density terminal airspace with an interval of 1 minute or less.
1871	F1.1.1.1.2.3.2-13	The NextGen NAS shall periodically measure dewpoint temperature in super-density terminal airspace from the surface to the top of terminal airspace at an interval of 5 minutes or less.
1877	f1.1.1.1.2.4	Observe Precipitation Aloft
1879	f1.1.1.1.2.4.1	Observe Liquid Precipitation
1881	f1.1.1.1.2.4.1.1	Determine Horizontal Extent of Rain
1884	F1.1.1.1.2.4.1.1-1	The NextGen NAS shall determine the horizontal extent of rain above the surface of super-density terminal airspace with horizontal accuracy of plus or minus 0.25 km.
1893	F1.1.1.1.2.4.1.1-6	The NextGen NAS shall periodically determine the horizontal extent of rain above the surface of super-density terminal airspace from the surface to the top of terminal airspace at an interval of 5 minutes or less.
1898	F1.1.1.1.2.4.1.2	Determine Vertical Extent of Rain
1901	F1.1.1.1.2.4.1.2-1	The NextGen NAS shall determine the minimum altitude of rain above the surface of super-density terminal airspace from the surface to 5.000 feet with a vertical accuracy plus or minus 50 feet.
1903	F1.1.1.1.2.4.1.2-2	The NextGen NAS shall determine the maximum altitude of rain above the surface of super-density terminal airspace from 5,000 feet to the top of terminal airspace with a vertical accuracy of plus or minus 250 feet.
1920	F1.1.1.1.2.4.1.2-11	The NextGen NAS shall periodically determine the vertical extent of rain above the surface of super-density terminal airspace from the surface to the top of terminal airspace at an interval of 5 minutes or less.
1925	F1.1.1.1.2.4.1.3	Measure Rain Intensity
1927	F1.1.1.1.2.4.1.3-1	The NextGen NAS shall measure the intensity of rain above the surface in tenths of grams per cubic meter with accuracy of plus or minus 0.05 grams per cubic meter.
1928	F1.1.1.1.2.4.1.3-2	The NextGen NAS shall periodically measure the intensity of rain above the surface of super-density terminal airspace from the surface to the top of terminal airspace at an interval of 5 minutes or less.
1933	F1.1.1.1.2.4.1.4	Determine Horizontal Extent of Drizzle
1936	F1.1.1.1.2.4.1.4-1	The NextGen NAS shall determine the horizontal extent of drizzle above the surface of super-density terminal airspace with horizontal accuracy of 0.25 km.
1945	F1.1.1.1.2.4.1.4-6	The NextGen NAS shall periodically determine the horizontal extent of drizzle above the surface of super-density terminal airspace from the surface to the top of terminal airspace at an interval of 5 minutes or less.
1950	F1.1.1.1.2.4.1.5	Determine Vertical Extent of Drizzle
1953	F1.1.1.1.2.4.1.5-2	The NextGen NAS shall determine the maximum altitude of drizzle above the surface of super-density terminal airspace from the surface to the top of terminal airspace with a vertical accuracy of plus or minus 50 feet.

1955	F1.1.1.1.2.4.1.5-4	The NextGen NAS shall determine the minimum altitude of drizzle above the surface of super-density terminal airspace from the surface to the top of terminal airspace with a vertical accuracy of plus or minus 50 feet.
1957	F1.1.1.1.2.4.1.5-6	The NextGen NAS shall determine the maximum altitude of drizzle above the surface of super-density terminal airspace from 5,000 feet to the top of terminal airspace with a vertical accuracy of plus or minus 250 feet.
1959	F1.1.1.1.2.4.1.5-8	The NextGen NAS shall determine the minimum altitude of drizzle above the surface of super-density terminal airspace from 5,000 feet to the top of terminal airspace with a vertical accuracy of plus or minus 250 feet.
1992	F1.1.1.1.2.4.1.5-41	The NextGen NAS shall periodically determine the vertical extent of drizzle above the surface of super-density terminal airspace at an interval of 5 minutes or less.
1997	F1.1.1.1.2.4.1.6	Determine Location of Virga
2000	F1.1.1.1.2.4.1.6-1	The NextGen NAS shall determine the location of virga in super-density terminal airspace with horizontal accuracy of plus or minus 0.25 km.
2002	F1.1.1.1.2.4.1.6-2	The NextGen NAS shall determine the location of virga in super-density terminal airspace from the surface to 4,900 feet with a vertical accuracy of plus or minus 50 feet.
2004	F1.1.1.1.2.4.1.6-3	The NextGen NAS shall determine the location of virga in super-density terminal airspace from 5,000 feet to the top of terminal airspace with a vertical accuracy of plus or minus 250 feet.
2031	F1.1.1.1.2.4.1.6-17	The NextGen NAS shall periodically determine the location of virga above the surface of super-density terminal airspace at an interval of 5 minutes or less.
2036	F1.1.1.1.2.4.1.7	Determine Location of Rain
2039	F1.1.1.1.2.4.1.7-1	The NextGen NAS shall determine the location of rain in super-density terminal airspace with horizontal accuracy of plus or minus 0.25 km.
2041	F1.1.1.1.2.4.1.7-2	The NextGen NAS shall determine the location of rain in super-density terminal airspace from the surface to 4,900 feet with a vertical accuracy of plus or minus 50 feet.
2043	F1.1.1.1.2.4.1.7-3	The NextGen NAS shall determine the location of rain in super-density terminal airspace from 5,000 feet to the top of terminal airspace with a vertical accuracy of plus or minus 250 feet.
2070	F1.1.1.1.2.4.1.7-17	The NextGen NAS shall periodically determine the location of rain above the surface of super-density terminal airspace at an interval of 5 minutes or less.
2075	F1.1.1.1.2.4.1.8	Determine Location of Drizzle
2078	F1.1.1.1.2.4.1.8-1	The NextGen NAS shall determine the location of drizzle in super-density terminal airspace with horizontal accuracy of plus or minus 0.25 km.
2080	F1.1.1.1.2.4.1.8-2	The NextGen NAS shall determine the location of drizzle in super-density terminal airspace from the surface to 5.000 feet with a vertical accuracy of plus or minus 50 feet.
2082	F1.1.1.1.2.4.1.8-3	The NextGen NAS shall determine the location of drizzle in super-density terminal airspace from 5,000 feet to the top of terminal airspace with a vertical accuracy of plus or minus 250 feet.
2109	F1.1.1.1.2.4.1.8-17	The NextGen NAS shall periodically determine the location of drizzle above the surface of super-density terminal airspace at an interval of 5 minutes or less.
2114	F1.1.1.1.2.4.2	Observe Solid Precipitation Aloft
2116	F1.1.1.1.2.4.2.1	Determine Horizontal Extent of Hail
2119	F1.1.1.1.2.4.2.1-1	The NextGen NAS shall determine the horizontal extent of hail above the surface of super-density terminal airspace with horizontal accuracy of 0.25 km.
2128	F1.1.1.1.2.4.2.1-6	The NextGen NAS shall periodically determine the horizontal extent of hail above the surface of super-density terminal airspace from the surface to the top of terminal airspace at an interval of 5 minutes or less.
2133	F1.1.1.1.2.4.2.2	Determine Vertical Extent of Hail
2136	F1.1.1.2.2-4.2.2-1	The NextGen NAS shall determine the maximum altitude of hail above the surface of super-density terminal airspace from the surface to 4,900 feet with a vertical accuracy of plus or minus 50 feet.
2138	F1.1.1.2.2-4.2.2-2	The NextGen NAS shall determine the maximum altitude of hail above the surface of super-density terminal airspace from 5,000 feet to the top of terminal airspace with a vertical accuracy of plus or minus 250 feet.
2155	F1.1.1.2.2-4.2.2-11	The NextGen NAS shall periodically determine the vertical extent of hail above the surface of super-density terminal airspace from the surface to the top of terminal airspace at an interval of 5 minutes or less.
2160	F1.1.1.1.2.4.2.3	Measure Hail Density
2162	F1.1.1.1.2.4.2.3-1	The NextGen NAS shall measure hail density in tenths of grams per cubic centimeter with accuracy of plus or minus 0.05 grams per cubic centimeter.
2163	F1.1.1.1.2.4.2.4	Determine Location of Snow Pellets
	F1.1.1.1.2.4.2.5	The NextGen NAS shall determine the location of snow pellets in super-density terminal airspace from 5,000 feet to the top of the NAS with vertical accuracy of 250 feet.
2197	F1.1.1.1.2.4.2.4-17	The NextGen NAS shall periodically determine the location of snow pellets above the surface of super-density terminal airspace at an interval of 5 minutes or less.
2202	F1.1.1.1.2.4.2.4.1	Determine the Horizontal Extent of Snow Pellets
2205	F1.1.1.1.2.4.2.4.1-1	The NextGen NAS shall determine the horizontal extent of snow pellets above the surface of super-density terminal airspace with horizontal accuracy of 0.25 km.
2219	F1.1.1.1.2.4.2.4.2	Determine Vertical Extent of Snow Pellets

2222	F1.1.1.1.2.4.2.4.2-1	The NextGen NAS shall determine the maximum altitude of snow pellets above the surface of super-density terminal airspace from the surface to 4,900 feet with a vertical accuracy of plus or minus 50 feet.
2224	F1.1.1.1.2.4.2.4.2-2	The NextGen NAS shall determine the maximum altitude of snow pellets above the surface of super-density terminal airspace from 5,000 feet to the top of terminal airspace with a vertical accuracy of plus or minus 250 feet.
2241	F1.1.1.1.2.4.2.4.2-11	The NextGen NAS shall periodically determine the vertical extent of snow pellets above the surface of super-density terminal airspace from the surface to the top of terminal airspace at an interval of 5 minutes or less.
2246	F1.1.1.1.2.4.2.5	Determine Location of Snow
2249	F1.1.1.1.2.4.2.5-1	The NextGen NAS shall determine the location of snow in super-density terminal airspace with horizontal accuracy of 0.25 km.
2251	F1.1.1.1.2.4.2.5-2	The NextGen NAS shall determine the location of snow in super-density terminal airspace from the surface to the top of terminal airspace with a vertical accuracy of plus or minus 50 feet.
2253	F1.1.1.1.2.4.2.5-3	The NextGen NAS shall determine the location of snow in super-density terminal airspace from 5,000 feet to the top of terminal airspace with a vertical accuracy of plus or minus 250 feet.
2278	F1.1.1.1.2.4.2.5-16	The NextGen NAS shall periodically determine the location of snow above the surface of super-density terminal airspace at an interval of 5 minutes or less.
2283	F1.1.1.1.2.4.2.6	Determine the Horizontal Extent of Snow
2286	F1.1.1.1.2.4.2.6-1	The NextGen NAS shall determine the horizontal extent of snow pellets above the surface of super-density terminal airspace with horizontal accuracy of 0.25 km.
2300	F1.1.1.1.2.4.2.7	Determine Vertical Extent of Snow
2303	F1.1.1.1.2.4.2.7-1	The NextGen NAS shall determine the maximum altitude of snow above the surface of super-density terminal airspace from the surface to 4,900 feet with a vertical accuracy of plus or minus 50 feet.
2305	F1.1.1.1.2.4.2.7-2	The NextGen NAS shall determine the maximum altitude of snow above the surface of super-density terminal airspace from 5,000 feet to the top of terminal airspace with a vertical accuracy of plus or minus 250 feet.
2322	F1.1.1.1.2.4.2.7-11	The NextGen NAS shall periodically determine the vertical extent of snow above the surface of super-density terminal airspace from the surface to the top of terminal airspace at an interval of 5 minutes or less.
2327	F1.1.1.1.2.4.2.8	Measure Snowfall Intensity
2329	F1.1.1.1.2.4.2.8-1	The NextGen NAS shall measure the intensity of snow above the surface of super-density terminal airspace in tenths of grams per cubic meter with accuracy of plus or minus 0.05 grams per cubic meter.
2330	F1.1.1.1.2.4.2.9	Determine Horizontal Extent of Ice Pellets Aloft
2332	F1.1.1.1.2.4.2.9-1	The NextGen NAS shall determine the horizontal extent of ice pellets above the surface of super-density terminal airspace with horizontal accuracy of plus or minus 0.25 km.