

## FY21 - Machine At Risk

Machine At Risk - AFCS

Targets and Thresholds

1	2	3	4	5	6	7	8	9	10
8.50	7.58	6.65	5.73	4.80	4.28	3.76	3.24	2.72	2.20

Machine At Risk - AFCS200

Targets and Thresholds

1	2	3	4	5	6	7	8	9	10
10.10	9.49	8.88	8.26	7.65	7.00	6.35	5.70	5.05	4.40

Machine At Risk - AFSM

Targets and Thresholds

1	2	3	4	5	6	7	8	9	10
3.12	2.77	2.42	2.07	1.72	1.56	1.39	1.23	1.06	0.90

Machine At Risk - DBCS

Targets and Thresholds

1	2	3	4	5	6	7	8	9	10
2.94	2.67	2.40	2.12	1.85	1.75	1.65	1.55	1.45	1.35

Machine At Risk - FSS

Targets and Thresholds

1	2	3	4	5	6	7	8	9	10
5.40	5.12	4.84	4.57	4.29	4.11	3.93	3.76	3.58	3.40

Machine At Risk - APBS Parcels (FC & PR)

Targets and Thresholds

1	2	3	4	5	6	7	8	9	10
11.90	10.85	9.80	8.75	7.70	6.92	6.14	5.36	4.58	3.80

Machine At Risk - APBS Bundles (STD)

Targets and Thresholds

1	2	3	4	5	6	7	8	9	10
14.80	13.28	11.75	10.23	8.70	7.56	6.42	5.28	4.14	3.00

Machine At Risk - APBS Intl

Targets and Thresholds

1	2	3	4	5	6	7	8	9	10
20.20	17.16	14.12	11.08	8.04	7.37	6.70	6.04	5.37	4.70

Machine At Risk - APPS Parcels (FC & PR)

Targets and Thresholds

1	2	3	4	5	6	7	8	9	10
10.60	9.85	9.10	8.35	7.60	7.16	6.72	6.28	5.84	5.40

Machine At Risk - APPS Bundles (STD)

Targets and Thresholds

1	2	3	4	5	6	7	8	9	10
14.00	12.38	10.75	9.13	7.50	6.90	6.30	5.70	5.10	4.50

Machine At Risk - APPS Intl

Targets and Thresholds

1	2	3	4	5	6	7	8	9	10
24.00	20.05	16.09	12.14	8.18	7.24	6.31	5.37	4.44	3.50

Machine At Risk - SPSS/HTPS Parcels

Targets and Thresholds

1	2	3	4	5	6	7	8	9	10
7.18	6.64	6.09	5.55	5.00	4.68	4.36	4.04	3.72	3.40

Machine At Risk - SPSS/HTPS Bundles

Targets and Thresholds

1	2	3	4	5	6	7	8	9	10
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1	2	3	4	5	6	7	8	9	10
20.00	16.63	13.25	9.88	6.50	6.16	5.82	5.48	5.14	4.80

Machine At Risk - SPSS/HTPS Intl

Targets and Thresholds

1	2	3	4	5	6	7	8	9	10
16.00	14.40	12.80	11.20	9.60	8.88	8.16	7.44	6.72	6.00

**Machine At Risk - PSM****Targets and Thresholds**

1	2	3	4	5	6	7	8	9	10
6.75	5.60	4.45	3.29	2.14	1.83	1.52	1.22	0.91	0.60

**Machine At Risk Index****Targets and Thresholds**

1	2	3	4	5	6	7	8	9	10
1	2	3	4	5	6	7	8	9	10

**Description**

At Risk performance will be measured using a composite score of At Risk performance by equipment set versus nationally set targets. To accomplish this, overall performance scores will be calculated by determining the variance of the At Risk performance to the national target (top quartile) of each of the following machine types: AFCS, AFCS200, AFMS100, FSS, APBS, APPS, DBCS, SPSS/HTPS and PSM. The APBS, APPS and SPSS/HTPS have a composite At Risk value based on the % of volume ran on bundle, parcel and international (intl) volumes. As of FY2020, DPS Breaker Cards have been removed from the at risk calculations.

Machine at Risk Index is one portion (40%) of the Functional Effectiveness - Processing and Maintenance indicator.

Equipment Set (MPE Type)	AFCS	AFCS200	AFMS	DBCS	FSS	APBS (Parcels)	APBS (Bundles)	APBS (Intl)	APPS (Parcels)	APPS (Bundles)	APPS (Intl)
At Risk Top Quartile Target (Cell 7 Target)	4.50	7.72	1.67	1.85	4.29	6.65	8.70	8.04	6.65	7.42	10.31

**Measurement Period**

This performance indicator will be measured each month and cumulative scores will be reported as Year-To-Date (YTD) result.

**Data Source and Calculation**

- Source** – MIRS ("At Risk Reports", "NDC Reports" for PSMs)
- Indicator Value** – At Risk Composite rates for all machines in facility as defined in MIRS;  
PSM At Risk Component: Chute Full % + Sorter Tracking Problems % + Reject %
- Business Rule** – Sum of cells resulting from variances to target for each applicable machine set  
# of applicable machine sets

**Examples:**

MPE Type	Target Rate	Plant A *	Variance	Cell	Plant B **	Variance	Cell	Plant C ***	Variance	Cell
AFCS	4.50	5.23	0.73	4	4.36	-0.14	8			
AFCS200	7.72				6.94	-0.78	10	5.54	-2.18	14
AFMS	1.67	2.93	1.26	1	1.75	0.08	5	1.64	-0.03	7
DBCS	1.85	1.55	-0.30	11	2.82	0.97	3	1.89	0.04	6
FSS	4.29							3.99	-0.30	9
APBS				6						10
Parcels	6.65	6.79	0.14	6				5.58	-1.07	10
Bundles	8.70	9.95	1.25	5				8.12	-0.58	8
Intl	8.04	7.45	-0.59	8						
APPS							8			9
Parcels	6.65				6.06	-0.59	9	6.32	-0.33	8
Bundles	7.42				9.48	2.06	4	5.11	-2.31	13
Intl	10.31							10.26	-0.05	7
SPSS/HTPS							11			12
Parcels	4.70				5.62	0.92	4			
Bundles	7.50				7.05	-0.45	11			
Intl	9.13				7.41	-1.72	13	7.88	-1.25	12
PSM	2.60				3.24	0.64	6	4.19	1.59	4
Sum of Cells				22			51			71
Equipment Sets				4			7			8
Machine at Risk Index				6			7			9
NPA Cell				6			7			9

\* Plant A has 33% parcels, 33% bundles and 33% Intl on APBS.

$(.33*6)+(.33*5)+(.33*8)=6.27$ , which rounds down to Cell 6 overall for APBS

\*\* Plant B has 75% parcels, 25% bundles and 0% Intl on APPS, 20% parcels, 30% bundles and 50% Intl on SPSS/HTPS

$(.75*9) + (.25*4) = 7.75$  which rounds up to Cell 8 overall for APPS.

$(.20*4) + (.30*11) + (.50*13) = 10.6$  which rounds up to Cell 11 overall for SPSS/HTPS.

\*\*\* Plant C 80% parcels and 20% bundles on APBS, 60% parcels, 30% bundles and 10% intl on APPS, and only International on SPSS/HTPS

$(.80*10) + (.20*8) = 9.60$  which rounds up to Cell 10 overall for APBS.

$(.60*8) + (.30*13) + (.10*7) = 9.40$  which rounds down to Cell 9 overall for APPS.  
 $(1*12) =$  Cell 12 overall for SPSS/HTPS/

[At Risk elements for all Machines](#)

**Decimal Precision**      –      Two Decimals

**Data Validation**

<http://mirs2.usps.gov/> (then select "At Risk Reports")

Choose 'National Performance Assessment Report'

Change 'MODS Dates' from 'Week' to 'Month', then choose the month of the year you want to compare to NPA

**Applicable Positions / Units, Measurement Depth and Weight:**

Scorecard Name	Depth	Weight towards Employee Utilization	Total Weight Towards Composite
Region Processing and Maintenance	Region	40.0%	6.0%
Division Processing and Maintenance	Division	40.0%	6.0%
Plant	LF	40.0%	6.0%