

National Inventory Template Version 5.0

Briefing Pack

Table of Contents

1. An Overview of the National Inventory Template	3
1.1 Background	3
1.2 Distribution of NIT	3
1.3 Structure of NIT Version 5.0	4
1.3.1 Guide to Component Availability	4
1.3.2 State/Territory BLOOD SERVICE and Laboratory Inventory Levels	4
1.3.3 National BLOOD SERVICE Inventory	4
1.4 Visibility of Individual Laboratory holdings	5
2. National Inventory Template Version 5.0 - Daily Report	7
3. NIT Version 5.0 – Quick Reference Guide	8
3.1 Guide to Component Availability	8
3.2 State/Territory BLOOD SERVICE and Laboratory Inventory Levels	12
3.2.1 Red Cells	12
3.2.2 Platelets	13
3.2.3 Clinical Plasma	14
3.2.4 Cryoprecipitate	14
3.2.5 Cryo-depleted Fresh Frozen Plasma (CD-FFP)	15
3.3 National BLOOD SERVICE Inventory	16
Red Cells	16
WORK IN PROGRESS (WIP)	16
National WIP	16
Projected Red Cells Availability	17
3.4 Group 3 and 4 Products Inventory	17

1. An Overview of the National Inventory Template

1.1 Background

The Australian Red Cross Blood Service (BLOOD SERVICE) is responsible for the provision of a safe and adequate supply of blood products to the Australian community.

In July 2009, BLOOD SERVICE implemented the National Inventory Template (NIT) in all states and territories. The NIT replaced all systems previously used to collect and report internal (BLOOD SERVICE) and external (transfusion laboratories) inventories and to communicate availability of blood components to transfusion laboratory customers. As an ongoing effort to continuously improve the NIT, the National Supply Chain team has been monitoring the outputs generated over the last two years. After seeking feedback on these outputs from different stakeholders across the business we have made some incremental changes to the NIT and have released NIT Version 5.0. We believe that these changes will help add more value to all our stakeholders in managing supply, inventory and collections.

The NIT supports the principle of 'equity of access' to blood components across the country by providing component projections, stock availability and improved transparency of inventory to customers and stakeholders. This helps to drive BLOOD SERVICE component production and provide a transparent approach to stock management which is of particular importance during times of supply shortage.

The NIT is a nationally consistent system that:

- Communicates component availability and any specific component shortages.
- Reports levels by ABO/Rh(D).
- Calculates the number of days stock cover for each component type and blood group.
- Predicts the inventory position of blood components 24 hours in advance, allowing interstate movement of inventory if required.
- Guides processing in increasing platelet pooling efficiency based on the previous day collections.
- Monitors blood component supply to transfusion laboratories.
- Monitors the inventory levels in each state in the form of upper and lower inventory bands.
- Guides sufficient inventory holdings based on the proximity to a BLOOD SERVICE depot and the activities undertaken by a hospital or laboratory.

1.2 Distribution of NIT

NIT Version 5.0 will be provided to transfusion laboratories (also known as Approved Health Providers – AHPs) and Jurisdictional Blood Committee members twice daily at approximately 9.00am EST and 12.00pm EST. The NIT Version 5.0 will also be distributed daily within BLOOD SERVICE. A summary of the inventory position based on the release 2 will be sent to the NBA at 2.00 pm EST.

1.3 Structure of NIT Version 5.0

NIT Version 5.0 is a single report designed to meet the needs of a number of audiences/stakeholders all of whom may have different requirements for data.

The NIT Version 5.0 state summary report is a single page document divided into three sections:

1.3.1 Guide to Component Availability

1.3.2 State/Territory BLOOD SERVICE and Laboratory Inventory Levels

1.3.3 National BLOOD SERVICE Inventory

1.3.1 Guide to Component Availability

The first section of NIT provides transfusion laboratories with the summary of available Red Cells, Platelets, Fresh Frozen Plasma, Cryoprecipitate and Cryo-depleted Fresh Frozen Plasma for issue. Stock/reserve orders placed by laboratories will be replenished according to the issue level stated for each component. Note the issue level for Red Cells is determined by consideration of both the local state and the national inventory levels together with any restrictions in place locally or nationally.

1.3.2 State/Territory BLOOD SERVICE and Laboratory Inventory Levels

This section of the NIT details the local state inventory levels of Red Cells, Platelets, Fresh Frozen Plasma, Cryoprecipitate and Cryo-depleted Fresh Frozen Plasma. The inventory levels displayed are snapshots of the BLOOD SERVICE inventory at 8.00 am EST and 11.00 am EST on Monday to Friday excluding national public holidays.

The inventory level of Red Cells held in transfusion laboratories and the combined inventory levels of red cells of the local state and transfusion laboratories is also provided in Release 2 of the NIT. The NIT Version 5.0 forward projects what Red Cell inventory will be at 8.00am EST the following day, calculated from current BLOOD SERVICE inventory, issues to transfusion laboratories and work in progress. The figures in the NIT releases assist BLOOD SERVICE in determining production requirements and to redistribute components between states to ensure sufficient inventory is held at all BLOOD SERVICE depots.

1.3.3 National BLOOD SERVICE Inventory

The third section of the NIT Version 5.0 summary report provides data around current national Red Cell, Platelets, Fresh Plasma Products inventory, work in progress and projected Red Cell availability to 8.00 am EST the following day.

1.4 Visibility of Individual Laboratory holdings

In some states, the release 2 of the NIT report also includes a listing of all the individual transfusion laboratories receiving the NIT in the state, together with their the daily inventory holdings of Red Cells reported to BLOOD SERVICE.

AHP NAME	ABO/Rh GROUP									BASE ISI	AHP LEGEND	ADD ISI
	O +	O -	A +	A -	B +	B -	AB +	AB -	Total		31-60min	1
LAB Issues (Based on Supply Plan)	24.3	4.5	20.5	4.0	9.8	0.8	2.2	0.2	66.3		O neg	2
LAB Inventory	104	44	99	25	42	5	22	4	345			
MIN Reserve Trigger	73	18	61	12	29	2	6	1				
CI (ISI)	4.3	9.7	4.8	6.2	4.3	6.4	10.2	16.8				
LAB Inventory (Calculated)	146	36	123	24	59	5	13	2	407		5	
LAB Inventory (requested by LAB)	120	41	102	20	47	4	16	4	354			

LAB Issues (Based on Supply Plan)

This is an average Supply of Red Cells to a specific AHP over the last 12 month period. This number will be updated every six month by Supply Chain in order to the best available historical data.

LAB Inventory

This is the inventory level at the Lab blood bank on a given day; this data is provided by the LAB.

Lab Inventory (Calculated)

This inventory level has been calculated by Supply Chain based on the historical supply to a specific lab. It takes into account factors Base ISI level of 5 for all LABS and then add on other ISI factors such as distance from the nearest BLOOD SERVICE processing centre.

LAB Inventory (requested by LAB)

This is the inventory level requested by the LAB.

AHP Legends

The National Inventory Template is designed to recommend sufficient red cell inventory holdings. From a base of 5 days inventory, the NIT calculates additional inventory according to the following legend:

AHP LEGEND	ISI
<30min	0
31-60min	1
61-120mins	2
120-180 mins	3
trauma 1	2
trauma 2	1
obstetrics (for O neg)	1
obst/emerg (for O neg)	2
O neg	2

Based on the recommended levels, discussions then occur between the Blood Service and the AHP's about inventory levels. Some AHP's accept the recommendations (VIC) whilst other states do not

(NSW). The Blood Service has successfully identified and discussed the national inconsistencies with the NBA, who have agreed to resolve this with the JBC state representatives to ensure a nationally consistent approach.

The AHP legend was developed prior to national inventory visibility. The NIT and inventory data has now been available for 16 months and there is confidence that the AHP legend can be changed. These changes would remove external concerns about the Blood Service pushing out inventory. This would include removing from the previous version:

A, B and AB neg factor
Small inventory factor
Small inventory B+, AB+

Note: Please refer to the NIT Quick Reference Guide for a detailed explanation of the National BLOOD SERVICE Inventory.

2. National Inventory Template Version 5.0 - Daily Report

The following diagram illustrates the format of the summary report that each state and territory customer will receive from BLOOD SERVICE, twice daily.

GUIDE TO COMPONENT AVAILABILITY									
	DAY	Tuesday	DATE	5/04/2011	TIME	11:00	am (EST)	RELEASE 2	
Red Cells	O +	O -	A +	A -	B +	B -	AB +	AB -	
Issue Level	Full	MO	Full	Full	Full	Full	MO	Full	
Platelets	O	A	B	AB					
Issue Level	Full	Full	Full	Full					
Fresh Frozen Plasma (FFP)	O	A	B	AB					
Issue Level	Full	Full	Full	Full					
Cryoprecipitate	O	A	B	AB					
Issue Level	Full	Full	Full	Full					
Cryo-depleted Fresh Frozen Plasma (CD - FFP)	O	A	B	AB					
Issue Level	Full	Full	Full	Full					

STATE/TERRITORY BLOOD SERVICE AND LABORATORY INVENTORY LEVELS									
RED CELLS	O +	O -	A +	A -	B +	B -	AB +	AB -	TOTAL
Red Cell Inventory BLOOD SERVICE VIC (quantity) AS AT 11:00 am (EST)	903	59	690	90	92	41	14	6	1895
Red Cell Inventory BLOOD SERVICE-VIC (days)	3.3	0.8	3.2	1.8	1.6	3.4	0.7	1.5	2.7
Current VIC-LABS Inventory (quantity)	1442	436	1172	355	335	114	145	71	4070
Current VIC-LABS Inventory (days)	5.9	9.4	6.2	8.3	6.6	13.4	11.7	18.0	6.8
Current VIC-LABS Inventory (%) (Inventory Levels Received)	95%	106%	99%	132%	105%	166%	165%	159%	104%
Combined BLOOD SERVICE-VIC AND VIC-LABS Inventory (quantity)	2345	495	1862	445	427	155	159	77	5965
Combined BLOOD SERVICE-VIC AND VIC-LABS Inventory (Days)	9.2	10.2	9.4	10.1	8.2	16.8	12.4	19.5	9.5
Projected Red Cell Availability BLOOD SERVICE-VIC (days) *	4.0	1.1	3.8	2.2	2.5	3.7	1.1	3.1	
	Full	MO	Full	Full	Full	Full	MO	Full	

Red Cell availability is based on a forward projection to 8am EST. It takes in consideration Work in Progress and Current Issues to VIC-LABS

PLATELETS	O +	O -	A +	A -	B +	B -	AB +	AB -	TOTAL
Pooled Platelets Inventory BLOOD SERVICE VIC (quantity) AS AT 11:00 am (EST)	17	6	31	8	4	3	0	0	69
Apheresis Platelets Inventory BLOOD SERVICE VIC (quantity) AS AT 11:00 am (EST)	0	3	9	3	1	0	2	0	18
Current Local Inventory (Days)	0.5		1.2		1.0		4.0		
Projected Platelet Availability (days)	1.35		1.94		2.16		5.67		

CLINICAL PLASMA	O	A	B	AB	TOTAL
Clinical Plasma Inventory BLOOD SERVICE VIC (quantity) AS AT 11:00 am (EST)	503	372	85	186	1146
Current Local Inventory (days)	9.5	7.4	6.6	17.1	
Whole Blood Cryo Inventory BLOOD SERVICE VIC (quantity) AS AT 11:00 am (EST)	252	136	27	45	460
Apheresis Cryo Inventory BLOOD SERVICE VIC (quantity) AS AT 11:00 am (EST)	54	69	44	0	167
Current Local Inventory (days)	14.9	10.3	19.2	14.2	
Whole Blood CD Inventory BLOOD SERVICE VIC (quantity) AS AT 11:00 am (EST)	128	82	72	65	347
Apheresis CD Inventory BLOOD SERVICE VIC (quantity) AS AT 11:00 am (EST)	6	14	19	0	39
Current Local Inventory (quantity)	140	110	110	65	

BLOOD SERVICE NATIONAL INVENTORY									
RED CELLS	O +	O -	A +	A -	B +	B -	AB +	AB -	TOTAL
Current National Daily Issues (Based on Supply Plan)	1053	296	853	192	220	48	68	16	2746
Red Cell Inventory BLOOD SERVICE NATIONAL (quantity) AS AT 11:00 am (EST)	3962	396	3880	398	449	160	222	55	9522
Red Cell Inventory BLOOD SERVICE NATIONAL (days)	3.8	1.3	4.6	2.1	2.0	3.3	3.2	3.4	3.5
National WIP (quantity)	731	263	601	121	163	24	41	11	1955
Current National WIP (days)	0.7	0.9	0.7	0.6	0.7	0.5	0.6	0.7	0.7
Projected Red Cell Availability ARCBS NATIONALLY (days)	4.5	2.2	5.3	2.7	2.7	3.8	3.8	4.1	
	Full	Full	Full	Full	Full	Full	Full	Full	

3. NIT Version 5.0 – Quick Reference Guide

This Quick Reference Guide provides detailed explanatory notes about the NIT Version 5.0 Summary Report. Information has been grouped in sections corresponding to the various sections of the NIT.

3.1 Guide to Component Availability

Red Cells	O+	O-	A+	A-	B+	B-	AB+	AB-
Issue Level	Full	MO	Full	1/2	1/2	MO	Full	Full

Platelets	O	A	B	AB
Issue Level	Full	1/2	Full	Full

Fresh Frozen Plasma (FFP)	O	A	B	AB
Issue Level	Full	Full	MO	1/2

Cryoprecipitate	O	A	B	AB
Issue Level	Full	Full	Full	Full

Cryo-depleted Fresh Frozen Plasma (CD-FFP)	O	A	B	AB
Issue Level	Full	Full	Full	Full

Red Cells Issue Levels

- Red Cell Issue Levels are determined by consideration of both local and national inventory levels together with any restrictions in place nationally or locally.
- In Victoria, New South Wales, Queensland, South Australia and Western Australia the Red Cells Issue Level will be populated by the national restriction level if it is tighter than any local restriction and it will be used to determine issues of stock for reserve to transfusion laboratories in these states.
- In the Australian Capital Territory, Tasmania and Northern Territory, the Red Cell Issue Levels will appear the same as local state inventory Issue Level due to the small overall inventory held in these locations together with limited surge capacity and logistics to rapidly re-supply.

Platelets, Fresh Frozen Plasma, Cryoprecipitate and Cryo-depleted Fresh Frozen Plasma Issue Levels

- The Issue Levels for Platelets, Fresh Frozen Plasma, Cryoprecipitate and Cryo-depleted– Fresh Frozen Plasma in all states/territories are determined by the inventory and average daily supply. These Issue Levels will be used to determine issues of stock for reserve to transfusion laboratories in all states/territories.

Availability Legend

The descriptions used in the availability legend are listed below:

AVAILABILITY LEGEND DESCRIPTION
Full - indicates that inventory is at or above ideal for that particular component by ABO/Rh. Laboratory (AHP) orders for stock reserve and individual patient requests are met in full
1/2 - indicates that inventory is below ideal for that particular component by ABO/Rh group. Laboratory (AHP) orders for stock reserve are supplied to 50% and individual patient requests are met in full.
MO (Medical Officer Approval) - indicates that inventory is well below ideal for that particular component by ABO/Rh group. Both Laboratory (AHP) orders for stock and individual patient requests are referred to a Transfusion Medicine Specialist for evaluation. .

The following tables translate the component availability/Issue Level for each component to the current available inventory in days. Note, the restrictions may vary from state to state.

Red Cells

AVAILABILITY LEGEND	
Full	>= 1.7 days
1/2	Between 1.4 – 1.6 days
MO	<= 1.3 days

Platelets

AVAILABILITY LEGEND	
Full	>= 0.66 days
1/2	Between 0.51 – 0.65 days
MO	<= 0.5 days

Fresh Frozen Plasma

NSW , VIC & QLD Restrictions			
AVAILABILITY LEGEND	O & A	B	AB
Full	>= 3 days	>= 6.3 days	>= 7.1 days
1/2	2.5 – 2.9 days	5.1 – 6.2 days	5.1 – 7.0 days
MO	< 2.5 days	< 5.1 days	< 5.1 days

WA & SA Restrictions			
AVAILABILITY LEGEND	O & A	B	AB
Full	>= 6.3 days	>= 10 days	>= 10 days
1/2	5 – 6.2 days	7 – 9.9 days	7 – 9.9 days
MO	< 5.0 days	< 7.0 days	< 7.0 days

ACT, TAS & NT Restrictions			
AVAILABILITY LEGEND	O & A	B	AB
Full	>= 10 days	>= 25 days	>= 50 days
1/2	5 – 9.9 days	12.5 – 24.9 days	25 – 49.9 days
MO	< 5.0 days	< 12.5 days	< 25 days

Cryoprecipitate

NSW , VIC & QLD Restrictions			
AVAILABILITY LEGEND	O & A	B	AB
Full	>= 6 days	>= 10 days	>= 10 days
1/2	3.5 – 5.9 days	6 – 9.9 days	6 – 9.9 days
MO	< 3.5 days	< 6 days	< 6 days

WA & SA Restrictions			
AVAILABILITY LEGEND	O & A	B	AB
Full	>= 10 days	>= 20 days	>= 20 days
1/2	5 – 9.9 days	10 – 19.9 days	10 – 19.9 days
MO	< 5 days	< 10 days	< 10 days

ACT, TAS & NT Restrictions			
AVAILABILITY LEGEND	O & A	B	AB
Full	>= 10 units	>= 9 units	>= 9 units
1/2	5 – 9 units	5 – 8 units	5 – 8 units
MO	< 5 units	< 5 units	< 5 units

Cryo-depleted Fresh Frozen Plasma

NSW , VIC & QLD Restrictions			
AVAILABILITY LEGEND	O & A	B	AB
Full	> 50 units	> 25 units	> 25 units
1/2	30 – 49.9 units	15 – 24.9 units	15 – 24.9 units
MO	< 30 units	< 15 units	< 15 units

WA & SA Restrictions			
AVAILABILITY LEGEND	O & A	B	AB
Full	>= 38 units	>= 24 units	>= 9 units
1/2	19 – 37 units	14 – 23 units	5 – 8 units
MO	< 19 units	< 14 units	< 5 units

ACT, TAS & NT Restrictions			
AVAILABILITY LEGEND	O & A	B	AB
Full	>= 10 units	>= 9 units	>= 9 units
1/2	5 – 9 units	5 – 8 units	5 – 8 units
MO	< 5 units	< 5 units	< 5 units

3.2 State/Territory BLOOD SERVICE and Laboratory Inventory Levels

This section provides a line by line description of the of the State/Territory BLOOD SERVICE and Laboratory Inventory Levels section of NIT Version 5.0, per component type.

3.2.1 Red Cells

RED CELLS	O+	O-	A+	A-	B+	B-	AB+	AB-	TOTAL
Red Cell Inventory BLOOD SERVICE XXX (quantity) AS AT 11.00am (EST)	2320	166	1415	118	209	76	216	24	4544
Red Cell Inventory BLOOD SERVICE-XXX (days)	8.4	2.4	6.5	2.5	3.4	6.4	10.7	5.5	6.4
Current XXX-LABS Inventory (quantity)	1298	529	967	322	302	97	125	42	3682
Current XXX-LABS Inventory (days)	5.4	9.1	5.1	8.2	5.3	10.3	6.8	11.4	6.0
Current XXX-LABS Inventory (%) (Inventory Levels Received)	79%	94%	74%	99%	77%	111%	95%	96%	82%
Combined BLOOD SERVICE-XXX AND XXX-LABS Inventory (quantity)	3618	695	2382	440	511	173	341	66	8226
Combined BLOOD SERVICE-XXX AND XXX-LABS Inventory (Days)	13.8	11.5	11.6	10.7	8.7	16.7	17.5	16.9	12.4
Projected Red Cell Availability BLOOD SERVICE-XXX (days) *	9.1	2.7	7.3	3.0	4.2	6.5	11.7	3.9	
	Full	Full	Full	Full	Full	Full	Full	Full	

Red Cell Inventory BLOOD SERVICE XXX (quantity) AS AT 8.00 / 11.00am (EST)

Red Cells inventory snapshot by State, by ABO/Rh group at BLOOD SERVICE as at 8.00 / 11.00 am EST on **Report Release 1** and 11.00 am EST on **Report Release 2**.

Red Cell Inventory BLOOD SERVICE-XXX (days)

Number of days cover of Red Cells, by ABO/Rh group, by State at BLOOD SERVICE, calculated from inventory snapshot divided by Current Daily Supply Plan, based on previous 3 years supply indexed quarterly.

Current XXX-LABS by Inventory (quantity)

Captured quantity of laboratory inventory snapshot by ABO/Rh group, by State, based on a minimum 80% state cover. **Only available on Report Release 2**.

Current XXX-LABS Inventory (days)

Number of days cover of Red Cells by ABO/Rh group, by State, calculated from laboratory snapshot divided by Daily Supply based on last 12 month rolling average. **Only available on Report Release 2**.

Current XXX-LABS Inventory percentage of capacity

Percentage of captured inventory levels at laboratories divided by calculated inventory holdings. **Only available on Report Release 2**

Combined BLOOD SERVICE-XXX and XXX-Labs Inventory (Days)

Current Red Cell Inventory BLOOD SERVICE-XXX (days) plus current XXX-LABS Inventory (days) provides total Red Cell State inventory.

Projected Red Cell Availability BLOOD SERVICE-XXX (days)

*Red Cell availability by ABO/Rh group is based on a forward projection to 8:00 A.M. EST the following day, calculated by Red Cell inventory plus Work in Progress (WIP), less current Daily Supply.

3.2.2 Platelets

PLATELETS	O+	O-	A+	A-	B+	B-	AB+	AB-	TOTAL
Pooled Platelet Inventory Blood Service XXX AS AT 11.00 am	34	11	21	12	11	2	0	0	91
Apheresis Platelet Inventory Blood Service XXX AS AT 11.00	4	1	15	7	4	0	0	0	31
Current Local Inventory (Days)	0.5		1.2		1.1		0		
Projected Platelet Availability (days)	1.48		2.19		2.29		0.0		

Pooled Platelet Inventory Blood Service XXX TO 8.00 / 11.00 am

Pooled Platelets inventory snapshot by State, by ABO/Rh group at BLOOD SERVICE at 8.00 am EST on **Report Release 1** and 11.00 am EST on **Report Release 2**.

Apheresis Platelet Inventory Blood Service XXX TO 8.00 / 11.00 am

Apheresis Platelets inventory snapshot by State, by ABO/Rh group at BLOOD SERVICE at 2.00 am EST on **Report Release 1** and 11.00 am EST on **Report Release 2**.

Projected Platelet Availability (days)

Number of days cover of Platelets, by ABO, by State at BLOOD SERVICE, calculated from inventory (days) divided by Local Total Issues To 11.00 am Total Platelet WIP (days). The Current Inventory (days) has been formatted to include the availability.

3.2.3 Clinical Plasma

Fresh Frozen Plasma (FFP)

Clinical Plasma	O	A	B	AB	TOTAL
Clinical Plasma Inventory (units) AS AT 11:00 am (EST)	533	413	117	276	1339
Current Inventory (days)	9.7	9.8	9.9	21.7	

Clinical Plasma Inventory (units) As At 8.00 / 11:00 am (EST)

Fresh Frozen Plasma inventory snapshot by State, by ABO group at BLOOD SERVICE, at 08.00am EST will be available on **Report Release 1** and 11.00 am EST on **Report Release 2**.

Current Inventory (days)

Number of days cover of Fresh Frozen Plasma, by ABO, by State at BLOOD SERVICE, calculated from inventory snapshot divided by Current Daily Supply Plan, based on historical supply indexed quarterly. The Current Inventory (days) has been formatted to include the availability.

3.2.4 Cryoprecipitate

Clinical Plasma	O	A	B	AB	TOTAL
Whole Blood Cryo Local Inventory (units) AS AT 11:00 am (EST)	202	149	168	46	46
Apheresis CRYO Local Inventory (units) AS AT 11:00 am (EST)	55	49	14	1	119
Current Inventory (days)	12.2	11.9	37.7	18.9	

Whole Blood CRYO Local Inventory (units) As At 8.00 / 11.00 am (EST)

Cryoprecipitate (Whole Blood derived) inventory snapshot by State, by ABO group at BLOOD SERVICE, at 08.00 am EST on **Report Release 1** and 11.00 am EST on **Report Release 2**.

Apheresis CRYO Local Inventory (units) As At 8.00 / 11:00 am (EST)

Apheresis Cryoprecipitate inventory snapshot by State, by ABO group at BLOOD SERVICE, at 8.00 am. EST on **Report Release 1** and 11.00 am EST on **Report Release 2**.

Current Inventory (days)

Number of days cover of Cryoprecipitate by ABO, by State at BLOOD SERVICE, calculated from inventory snapshot divided by Current Daily Supply Plan, based on previous 3 years supply indexed quarterly. The Current Inventory (days) has been formatted to include the availability. This total is displayed in Whole Blood equivalents, whereby one Apheresis Cryoprecipitate equals two Cryoprecipitate Whole Blood derived.

3.2.5 Cryo-depleted Fresh Frozen Plasma (CD-FFP)

CLINICAL PLASMA	O	A	B	AB	TOTAL
Whole Blood CD Local Inventory (units) AS AT 11:00 am (EST)	207	202	136	144	689
Apheresis CD Local Inventory (units) AS AT 11:00 am (EST)	58	55	35	2	150
Current Local Inventory (quantity)	323	312	206	148	

Whole Blood CD Local Inventory (units) As At 8.00 / 11:00 am (EST)

Cryo-depleted (CD) Fresh Frozen Plasma (Whole Blood derived) inventory snapshot by State, by ABO group at BLOOD SERVICE, as at 8.00 am EST on **Report Release 1** and 11.00 am EST on **Report Release 2**.

Apheresis CD Local Inventory (units) As At 8.00 / 11:00 am (EST)

Apheresis Cryo-depleted (CD) Fresh Frozen Plasma inventory snapshot by State, by ABO group at BLOOD SERVICE, as at 08.00 am EST on **Report Release 1** and 11.00 am EST on **Report Release 2**.

Current Inventory (days)

Number of days cover of Cryo-depleted Fresh Frozen Plasma, by ABO, by State at BLOOD SERVICE, calculated from inventory snapshot divided by Current Daily Supply Plan, based on previous 3 years supply indexed quarterly. The Current Inventory (days) has been formatted to include the availability. This total is displayed in Whole Blood equivalents, whereby one Apheresis Cryo-depleted Fresh Frozen Plasma equals two Cryo-depleted Fresh Frozen Plasma Whole Blood derived.

3.3 National BLOOD SERVICE Inventory

The following is a line by line description of the of the National BLOOD SERVICE Inventory section of the NIT Version 5.0 report.

Red Cells

NATIONAL BLOOD SERVICE INVENTORY									
Red Cells	O+	O-	A+	A-	B+	B-	AB+	AB-	Total
Current National Daily Issues (Based on Supply Plan)	1132	299	905	198	239	48	76	18	2915
Red Cell Inventory BLOOD SERVICE NATIONAL (quantity) AS AT 11.00 am EST	9794	613	7380	1098	1815	191	868	142	21901
Red Cell Inventory BLOOD SERVICE NATIONAL (days)	8.7	2.1	8.2	5.5	7.6	4.0	11.4	8.0	7.5

Current National Daily Issues (Based on Supply Plan)

Daily (Monday to Friday) Red Cell supply nationally, by ABO/Rh group, based on previous 3 years supply data indexed quarterly.

Red Cell Inventory BLOOD SERVICE NATIONAL (quantity) AS AT 8.00 / 11.00 am EST

Red Cells inventory snapshot nationally, by ABO/Rh group at BLOOD SERVICE at 8.00 am EST on [Report Release 1](#) and 11.00 am EST on [Report Release 2](#).

Red Cell Inventory BLOOD SERVICE National (days)

Number of days cover of Red Cells Nationally by ABO/Rh group, at BLOOD SERVICE, calculated from inventory snapshot divided by Current Daily Supply Plan, based on previous 3 years supply indexed quarterly.

WORK IN PROGRESS (WIP)

WIP	O+	O-	A+	A-	B+	B-	AB+	AB-	TOTAL
National WIP	1328	430	1023	236	319	58	94	17	3505
Current National WIP	1.2	1.4	1.1	1.2	1.3	1.2	1.2	1.0	1.2

National WIP

Red Cells inventory that is Work In Progress (WIP) snapshot nationally by ABO/Rh group at BLOOD SERVICE, as at 8.00 am EST on [Report Release 1](#) and [Report Release 2](#).

Current National WIP

Number of days cover of Red Cells that is Work In Progress (WIP) nationally, based on Red Cell inventory WIP, divided by the Current Daily Supply.

Projected Red Cells Availability

	O+	O-	A+	A-	B+	B-	AB+	AB-	TOTAL
Projected Red Cell Availability	8.8	2.2	8.3	5.4	7.9	3.4	11.6	6.0	6.0
	Full	Full	Full	Full	Full	Full	Full	Full	Full

RED CELLS

Projected Red Cell Availability BLOOD SERVICE NATIONALLY (days)

*Red Cell availability by ABO/Rh group is based on a forward projection to 8.00 am EST the next day, calculated by Red Cell inventory, plus Work in Progress (WIP), less current Daily Supply.

3.4 Group 3 and 4 Products Inventory

ARCBS Group 3 and 4 Products	Albumex® 4 50 ml	Albumex® 4 500 ml	Albumex® 20 10 mL	Albumex® 20 100 mL	PTX-HT 500 IU	MonoFix®-VF 500 IU	MonoFix®-VF 1000 IU	Biostate 500 IU	Biostate 250 IU
Current Local Inventory AS AT 2.00 am (EST)	9	401	25	79	45	0	0	64	31
Current Weekly Issues (Based on Supply Plan)	0	81	1	42	18	0	0	7	2
Previous Day Issues	0	10	0	0	10	0	0	0	0
Current Local Inventory (Weeks)	No Planned Supply	5.0	25.0	1.9	2.5	No Planned Supply	No Planned Supply	9.1	15.5
	RE-ORDER								

The current inventory levels for Group 3 and 4 products will be as at 2.00 am EST. This is because the most states receive their supply on a weekly basis and the inventory levels do not change as often as the fresh products inventory.