



Version 6.11 December 03, 2015			
	Section	Change	Rationale
1.	2.1.1	Updated the definition of CONVALESCENT PLASMA. It now includes the following statement: "intended for direct transfusion"	For clarification
2.	2.3.2.2.4	Changed the default for the blood attribute group Residual Leukocyte Content. The previous default was "leukocyte content not reduced" the new value is now "No information".	To eliminate ambiguity in the usage of the Attribute Group's default value
3.	4.1.3	Added New Tissues Class: <ul style="list-style-type: none">• BONE, PATELLA	Requested by NATTAG and ETTAG
4.	4.3.2.2.5	Added New Attribute Value: <ul style="list-style-type: none">• Saline	Requested by the US
5.	5.2.1.1	Updated the definition of the attribute "Anterior and posterior layers". The previous definition specified "pre-cut" cornea, the new definition states "prepared" cornea.	This is for clarification, Anterior and Posterior layers may not always be pre-cut and may be prepared differently according to facility specifications and needs.

Version 6.10 October 30, 2015			
	Section	Change	Rationale
6.	4.1.1	Moved HEART (TISSUE) to section 4.1.1 from section 4.1.5. The Class HEART (TISSUE) replaces previously existing Class HEART TISSUE	Error Correction in Class Placement
7.	5.2.1.1	Added New Corneal Graft Attribute: <ul style="list-style-type: none">• Bowman layer	Requested by the US



Version 6.9 September 29, 2015			
	Section	Change	Rationale
8.	3.2.2.2.12	Updated the definition of the attribute "Buffy Coat Enriched", it now includes the following statement: "When applied to a product collected by apheresis, this attribute is used when an additional enrichment step is performed in the laboratory after the apheresis collection has been completed and often prior to additional processing or manufacturing."	Requested by CTCLAG
9.	4.1.2 4.1.3	Skeletal Classes section was split into two sections now titled "Soft Tissues" and "Bone Terminology"; subsequent class sections were re-numbered as a result.	Requested by ICCBBA to re-organize the Tissues class section
10.	4.1.5	Added New Tissue Class: <ul style="list-style-type: none">• [HEART (TISSUE)]	Requested by NATTAG and ETTAG
11.	4.1.5	Added New Tissue Classes: <ul style="list-style-type: none">• [PANCREAS (TISSUE)]• [LIVER (TISSUE)]	Requested by NATTAG and ETTAG
12.	5.1	Updated definition of the Class "WHOLE EYE", it now states: "Whole eye, including intraocular contents unless otherwise specified. May include some conjunctiva."	Requested by EBTAG
13.	5.2	Added New Attribute Groups: <ul style="list-style-type: none">• Whole Eye Type• Lamellar Layer Preparation	Requested by EBTAG
14.	5.2.1.8	Added New Attribute Variable: <ul style="list-style-type: none">• Eighth	Requested by EBTAG
15.	5.2.1.9	Added New Attribute Group and Variables: <ul style="list-style-type: none">• Default: not applicable or not specified• Contents removed	Requested by EBTAG



Version 6.9 September 29, 2015			
	Section	Change	Rationale
16.	5.2.1.10	Added New Attribute Group and Variables: <ul style="list-style-type: none">• Default: not applicable or not specified• Laser• Manual dissection• Microkeratome	Requested by EBTAG

Version 6.8 September 1, 2015			
	Section	Change	Rationale
1.	4.1.2	The following Tissue Classes were Renamed: <ul style="list-style-type: none">• (FEMUR) to (BONE, FEMUR)• (FIBULA) to (BONE, FIBULA)• (GROUND BONE) to (BONE, GROUND)• (HUMERUS) to (BONE, HUMERUS)• (RADIUS) to (BONE, RADIUS)• (RIB) to (BONE, RIB)• (TIBIA) to (BONE, TIBIA)• (ULNA) to (BONE, ULNA)	Requested by NATTAG and ETTAG To accommodate restructuring of Tissue Product Descriptions. The Classes listed were renamed and redefined.



Version 6.8 September 1, 2015			
	Section	Change	Rationale
2.	4.1.2	Added New Classes: <ul style="list-style-type: none"> • BONE, BLOCK • BONE, CHIPS • BONE, CLAVICLE • BONE, CRUSHED • BONE, DOWEL • BONE, HUMERUS WITH ROTATOR CUFF • BONE, ILIUM • BONE, MANDIBLE • BONE, METACARPUS • BONE, PELVIS • BONE, PHALANX • BONE, POWDER • BONE, RING • BONE, SCAPULA • BONE, SHAPED, OTHER • BONE, SKULL • BONE, SLICE • BONE, STERNUM • BONE, STRUT • BONE, TEMPORAL • BONE, VERTEBRA • BONE, WEDGE 	Requested by NATTAG and ETTAG To accommodate restructuring of Tissue Product Descriptions. Class have been given the common format BONE, (TYPE OF BONE).
3.	4.3.2.1	Added Attribute Groups: <ul style="list-style-type: none"> • Bone Source • Bone Part • Bone Portion • Cartilage Presence • Vetebra Type 	Requested by NATTAG and ETTAG to accommodate restructuring of Tissue Product Descriptions.



Version 6.8 September 1, 2015			
	Section	Change	Rationale
4.	4.3.2.2.8	Added New Attribute Variables: <ul style="list-style-type: none">• Anterior• Left anterior• Left lateral• Left medial• Left posterior• Posterior• Right anterior• Right lateral• Right medial• Right posterior	Requested by NATTAG and ETTAG to accommodate restructuring of Tissue Product Descriptions.
5.	4.3.2.2.15	Added New Attribute Variables: <ul style="list-style-type: none">• Bicortical• Cortical• Cortico-cancellous• Tricortical• Unicortical	Requested by NATTAG and ETTAG to accommodate restructuring of Tissue Product Descriptions.
6.	4.3.2.2.16	Added New Attribute Group and Values: <ul style="list-style-type: none">• Default: Not applicable or not specified• Femoral• Fibular• Humeral• Iliac• Patellar• Radial• Tibial• Ulnar• Vertebral	Requested by NATTAG and ETTAG to accommodate restructuring of Tissue Product Descriptions.



Version 6.8 September 1, 2015			
	Section	Change	Rationale
7.	4.3.2.2.17	Added New Attribute Group and Values: <ul style="list-style-type: none">• Default: Whole or not applicable• Body• Condyle• Crest• Epiphysis, distal• Epiphysis, distal, with shaft• Epiphysis, proximal• Epiphysis, proximal, with shaft• Epiphysis, proximal, with shaft, without head• Epiphysis, proximal, without head• Glenoid• Head• Plateau• Shaft• Trochanter major• Trochanter minor• Whole, without head	Requested by NATTAG and ETTAG to accommodate restructuring of Tissue Product Descriptions.
8.	4.3.2.2.18	Added New Attribute Group and Variables: <ul style="list-style-type: none">• Default: Whole or not applicable• Partial• Half• Quarter• Third	Requested by NATTAG and ETTAG to accommodate restructuring of Tissue Product Descriptions.
9.	4.3.2.2.19	Added New Attribute Group and Variables: <ul style="list-style-type: none">• Default: No or not applicable• Cartilage: Yes	Requested by NATTAG and ETTAG to accommodate restructuring of Tissue Product Descriptions.
10.	4.3.2.2.20	Added New Attribute Group and Variables: <ul style="list-style-type: none">• Default: Not applicable or not specified• Cervical• Lumbar• Sacral• Thoracic	Requested by NATTAG and ETTAG to accommodate restructuring of Tissue Product Descriptions.



Version 6.8 September 1, 2015			
	Section	Change	Rationale
11.	14.3.1	Retired Classes: <ul style="list-style-type: none"> • CADAVERIC CANCELLOUS BONE • CADAVERIC CORTICAL BONE • CALCAR FEMORALE • CANCELLOUS BONE CHIPS • CANCELLOUS BONE CUBES • CANCELLOUS BONE DOWEL • CANCELLOUS BONE PEG • CANCELLOUS FEMORAL KNEE SLICE • CANCELLOUS TIBIAL KNEE SLICE • CORTICAL BONE BLOCKS • CORTICAL BONE, GROUND, PASTE • CORTICAL BONE, GROUND, PUTTY • CORTICAL FEMORAL BONE RING • CORTICAL FEMORAL BONE STRIP • CORTICAL SHEET • CORTICOCANCELLOUS BONE, CRUSHED • CORTICOCANCELLOUS BONE, GROUND • CORTICO-CANCELLOUS FEMORAL BONE RING • CORTICO-CANCELLOUS FEMORAL BONE STRIP • CRANIAL PLATE • FEMORAL CONDYLE, LATERAL • FEMORAL CONDYLE, MEDIAL • FEMORAL HEAD • FEMORAL HEAD SLICE • FEMORAL HEAD, HALF • FEMORAL HEAD, QUARTER • FEMORAL SHAFT • FEMUR, DISTAL • FEMUR, PROXIMAL 	Requested by NATTAG and ETTAG This was done to accommodate the restructuring of Tissue Product Descriptions.



Version 6.8 September 1, 2015			
	Section	Change	Rationale
		<ul style="list-style-type: none"> • HUMERUS, DISTAL • HUMERUS, PROXIMAL • ILIAC CREST • PATELLA BONE BLOCK • PELVIS MASSIVE ALLOGRAFT • RADIUS, DISTAL • RADIUS, PROXIMAL • STRUT, NARROW • STRUT, WIDE • TIBIA SHAFT • TIBIA, PROXIMAL • TIBIA, PROXIMAL, LATERAL • TIBIA, PROXIMAL, MEDIAL • TRI-CORTICAL WEDGE • ULNA, DISTAL • ULNA, PROXIMAL 	

Version 6.7 August 4, 2015			
	Section	Change	Rationale
1.	Throughout document	Renamed document from "ISBT 128 Standard Terminology for Blood, Cellular Therapy, and Tissue Product Descriptions" to "ISBT 128 Standard Terminology for Medical Products of Human Origin".	Document title changed to be inclusive of all product categories
2.	3.2.2.2.13	Added New Attribute Variable: <ul style="list-style-type: none"> • CD45RA reduced 	Requested by Singapore
3.	4.1.2	Added New Classes: <ul style="list-style-type: none"> • BONE, CUBES • BONE, PASTE • BONE, PUTTY • BONE, SHEET • BONE, STRIP 	Requested by the US
4.	4.1.2	Added unretired Class and updated definition: <ul style="list-style-type: none"> • TENDON 	Requested by the US



Version 6.7 August 4, 2015			
	Section	Change	Rationale
5.	4.3.2.1	Added New Attribute Group: <ul style="list-style-type: none">• Associated Structures	Requested by the US
6.	4.3.2.1	Added New Attribute Group: <ul style="list-style-type: none">• Bone Type	Requested by NATTAG and ETTAG
7.	4.3.2.2.4	Added a note to the Meshed Attribute Values: <ul style="list-style-type: none">• Some suppliers may present the ratio in the reverse order (final:original) – e.g. 3:1 instead of 1:3	For clarification
8.	4.3.2.2.14	Added New Attribute Group and Variables: <ul style="list-style-type: none">• Default: Not specified• Applicator• Carrier and applicator• Suture	Requested by the US
9.	4.3.2.2.15	Added New Attribute Group and Variables: <ul style="list-style-type: none">• Default: Not applicable• Cancellous	Requested by NATTAG and ETTAG
10.	14.3.1	Unretired Class: <ul style="list-style-type: none">• TENDON	Requested by the US

Version 6.6 June 19, 2015			
	Section	Change	Rationale
1.	1.1	Added a note to explain the rationale for changing Core Condition Storage temperature from '<' to '<='.	For clarification and consistency of terminology and product coding.
2.	2.3.1.1	Added new Storage Temperature <ul style="list-style-type: none">• Frozen	Requested by ICCBBA



Version 6.6 June 19, 2015			
	Section	Change	Rationale
3.	2.3.1.1	Updated temperature ranges and definitions: <ul style="list-style-type: none">• <=-30C• <=-65C• <=-80C	For clarification and consistency of terminology and product coding.
4.	13	Added Regenerated Tissue section	New Category requested by the US Subsequent sections of the document were renumbered to facilitate the additions of Regenerated Tissue.
5.	13.1	Added new Class: <ul style="list-style-type: none">• REGENERATED EPIDERMIS	Requested by the US
6.	13.2	Added new Attribute Groups: <ul style="list-style-type: none">• Type of Cells• Storage Temperature• Delivery Method• Ancillary Substances• Excipients	Requested by the US
7.	13.2.1.1	Added New Attribute Group and Variables: <ul style="list-style-type: none">• Default: Not specified• Keratinocytes	Requested by the US
8.	13.2.1.2	Added New Attribute Variables: <ul style="list-style-type: none">• Default: Not specified• RT• Refg• Cryopreserved	Requested by the US
9.	13.2.1.3	Added New Attribute Group and Variables: <ul style="list-style-type: none">• Default: Not specified• Sheet	Requested by the US



Version 6.6 June 19, 2015			
	Section	Change	Rationale
10.	13.2.1.4	Added New Attribute Group and Variables: <ul style="list-style-type: none"> • Default: Not specified • Ancillary substances:Yes • Ancillary substances:Yes including animal origin 	Requested by the US
11.	13.2.1.5	Added New Attribute Group and Variables: <ul style="list-style-type: none"> • Default: Not specified • Excipients:Yes 	Requested by the US
12.	14.4	Added New Retired Section for Ocular Terminology	Requested by EBAA
13.	14.4.1	Retired Scleral Graft Group	Requested by EBAA
14.	14.4.2.1	Retired Scleral Graft Attributes: <ul style="list-style-type: none"> • Default: Not applicable or not specified • Part sclera • Whole sclera 	Requested by EBAA

Version 6.5 May 08, 2015			
	Section	Change	Rationale
1.	2.3.2.1 2.3.2.2.11	Renamed "Method of Treatment" group to "Pathogen Reduction".	The group name was changed to better describe decontamination processes and the inactivation of viruses from a donor.
2.	2.3.2.2.11	Added New Attribute: <ul style="list-style-type: none"> • Sterile filtered 	Requested by the US



Version 6.5 May 08, 2015			
	Section	Change	Rationale
3.	3.1.2	Added New Classes: <ul style="list-style-type: none">• EPITHELIAL CELLS, ORAL MUCOSA• EPITHELIAL CELLS, URINARY BLADDER• HEPATOCYTES, LIVER• MELANOCYTES, SKIN	Requested by Sweden
4.	5.2	Added New Attribute Group: <ul style="list-style-type: none">• Portion	Requested by EBAA
5.	5.2.1.1	Added New Attributes: <ul style="list-style-type: none">• Corneal ring• Split cornea	Requested by EBAA
6.	5.2.1.5	Added New Attributes: <ul style="list-style-type: none">• Albumin• Antimicrobial solution• Recombinant albumin	Requested by EBAA
7.	5.2.1.9	Added New Attribute Groups and Variables: <ul style="list-style-type: none">• Default: Not specified• Half• Part, NS• Quarter• Third• Whole	Requested by EBAA
8.	9.1	Added New Class: <ul style="list-style-type: none">• FIBRIN SEALANT	Requested by The Netherlands
9.	13.3.1	Retired Class: <ul style="list-style-type: none">• TISSUE	Requested by ICCBBA



Version 6.4 April 07, 2015			
	Section	Change	Rationale
1.	4.1.2	Changed Database Name: <ul style="list-style-type: none">• TENDON, ACHILLES, BI, SHAPED BNE BLK	The ISBT 128 Database name needed to be truncated to facilitate addition of the Class to the ISBT 128 Product Description Code Database.

Version 6.3 March 6, 2015			
	Section	Change	Rationale
1.	3.1.2	Added New Class: <ul style="list-style-type: none">• NC, DECIDUA	Requested by Sweden
2.	5.1	Added New Classes: <ul style="list-style-type: none">• IRIS• LENS• RETINA• OPTIC NERVE	Requested by EBTAG

Version 6.2 February 6, 2015			
	Section	Change	Rationale
1.	2.1.1	Added New Class: <ul style="list-style-type: none">• PLATELET LYSATE	Requested by the US
2.	3.1.2	Added New Class: <ul style="list-style-type: none">• NC, UMBILICAL CORD VESSEL	Requested by Cyprus



Version 6.2 February 6, 2015			
	Section	Change	Rationale
3.	4.1.2	Added New Classes: <ul style="list-style-type: none">• FEMORAL CONDYLE, LATERAL• FEMORAL CONDYLE, MEDIAL• FEMORAL SHAFT• FEMUR, DISTAL• FEMUR, PROXIMAL• KNEE JOINT• PELVIS, MASSIVE ALLOGRAFT• TIBIA, PROXIMAL• TIBIA, PROXIMAL, LATERAL• TIBIA, PROXIMAL, MEDIAL• WHOLE KNEE JOINT	To accommodate restructuring of Tissue Product Descriptions. "Left" and "Right" were previously part of the Class name and have been converted into Attributes.
4.	4.1.2	Added New Class: <ul style="list-style-type: none">• TENDON, ACHILLES, BISECTED, WITH SHAPED BONE BLOCK	Requested by Canada
5.	4.3.2.1	Added New Attribute Group: <ul style="list-style-type: none">• Demineralization	To accommodate restructuring of Tissue Product Descriptions by converting Modifiers into Attributes
6.	4.3.2.2.13	Added New Attribute Group and Variables: <ul style="list-style-type: none">• Default: No or not applicable• Demineralized:Yes	To accommodate restructuring of Tissue Product Descriptions by converting Modifiers into Attributes



Version 6.2 February 6, 2015			
	Section	Change	Rationale
7.	13.3.1	<p>Retired Classes:</p> <ul style="list-style-type: none">• FEMORAL CONDYLE, LATERAL, LEFT• FEMORAL CONDYLE, LATERAL, RIGHT• FEMORAL CONDYLE, MEDIAL, LEFT• FEMORAL CONDYLE, MEDIAL, RIGHT• FEMORAL HEAD, LEFT• FEMORAL HEAD, RIGHT• FEMORAL SHAFT, LEFT• FEMORAL SHAFT, RIGHT• FEMUR, DISTAL, LEFT• FEMUR, DISTAL, RIGHT• FEMUR, PROXIMAL, LEFT• FEMUR, PROXIMAL, RIGHT• KNEE JOINT, LEFT• KNEE JOINT, RIGHT• PELVIS, MASSIVE ALLOGRAFT, LEFT• PELVIS, MASSIVE ALLOGRAFT, RIGHT• TIBIA, PROXIMAL, LEFT• TIBIA, PROXIMAL, RIGHT• TIBIA, PROXIMAL, LATERAL, LEFT• TIBIA, PROXIMAL, LATERAL, RIGHT• TIBIA, PROXIMAL, MEDIAL, LEFT• TIBIA, PROXIMAL, MEDIAL, RIGHT• WHOLE KNEE JOINT, LEFT• WHOLE KNEE JOINT, RIGHT	<p>Retired Tissue Classes that contained anatomical positions “Left” and “Right”.</p> <p>This was done to accommodate the restructuring of Tissue Product Descriptions.</p>



Version 6.2 February 6, 2015			
	Section	Change	Rationale
8.	13.3.2	Retired Modifiers: <ul style="list-style-type: none"> • Cleaned Frozen Acellular • Cleaned Frozen • Cryopreserved • Decontaminated Frozen • Demineralized • Demineralized Freeze Dried • Demineralized Pooled Single Donor • Freeze Dried • Frozen • Glycerolized • Pooled Multiple Donor • Pooled Single Donor • Refrigerated 	<p>Modifiers are no longer used in Tissue Product Descriptions.</p> <p>These characteristics became attributes or were retired.</p>
9.	13.3.3	Added Attribute Group to Tissues retired section: <ul style="list-style-type: none"> • Pooled Processing of Products 	Information regarding the pooled processing of Tissue products will no longer be encoded.
10.	13.3.3.1	Added Attribute Variables to retired section: <ul style="list-style-type: none"> • Default: Not pooled • Pooled single donor • Pooled multiple donors 	Information regarding the pooled processing of Tissue products will no longer be encoded.

Version 6.1 January 2, 2015			
	Section	Change	Rationale
1.	2.1.1	Added New Class: <ul style="list-style-type: none"> • CONVALESCENT PLASMA 	Requested by the United Kingdom
2.	2.3.2.1	Added New Attribute Group: <ul style="list-style-type: none"> • Infection 	Requested by the United Kingdom
3.	2.3.2.2.1	Updated Attribute Definitions: <ul style="list-style-type: none"> • For mnf: injectable • For mnf: injectable restr use 	Requested by ICCBBA for Consistency



**ISBT 128 Standard Terminology for Medical Products of Human
Origin - Version Control Sheet 2015**



Version 6.1 January 2, 2015			
	Section	Change	Rationale
4.	2.3.2.2.15	Added New Attribute Group and Variables: <ul style="list-style-type: none">• Default: Not applicable• Ebola	Requested by the US
5.	4.1.1	Changed Class name from HEART to HEART TISSUE.	To distinguish the Tissue Class from the Organ Class
6.	4.3.2.2.6	Added New Attribute Variable: <ul style="list-style-type: none">• Dehydrated	Requested by Ireland