



Technical Bulletin

Revised Tissues Terminology

Products That Contain Bone and Soft Tissue Combinations

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International Tissue Technical Advisory Group (ITTAG) Work Group

Stefan Poniatowski - Chair

Marisa Herson

Jinyoung Jeong

John Morri

David Tinker

Izabela Uhrynowska-Tyszkiewicz

Paul Ashford

Mónica Freire

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1 Introduction

1.1 Purpose

The purpose of this document is to provide guidance to users on the changes made to the tissues terminology in version 7.35 of the *ISBT 128 Standard Terminology for Medical Products of Human Origin* (ST-002).

1.2 Scope

This document is a supplement to the *ISBT 128 Standard Terminology for Medical Products of Human Origin* (ST-002) and specifically addresses the changes to the tissues terminology implemented in version 7.35.

This document will not be updated as new terminology is added.

1.3 Intended Audience

The intended audience of this document is staff at tissue banks and hospital facilities that receive tissue products (managers, information technology, quality, validation, and laboratory), software developers, and label/software vendors.

1.4 Normative References

ISBT 128 Standard Terminology for Medical Products of Human Origin (ST-002)

ISBT 128 Standard Labeling of Human Tissues (ST-003)

1.5 Other References

ICCBBA website (www.iccbba.org)

1.6 Background

In the *ISBT 128 Standard Terminology*, tissue products that contain a tendon are described using a Class Name that begins with the word “TENDON” followed by the name of the tendon (e.g., TENDON, GRACILIS; TENDON ILIOTIBIALIS).

When applicable, the position of the tendon or the description of the type of bone attached to the tendon is added to the Class Name after the name of the tendon (e.g., TENDON, TIBIALIS, POSTERIOR; TENDON, BICEPS WITH RADIUS).

Therefore, the name of the tendon consistently appears first in the Class Name of all tissue products that contain a tendon. It was recently discussed by the International Tissue Technical Advisory Group (ITTAG) that this might create confusion for end-users because the tendon is not always the primary component of the tissue. For example, when the entire tibia is attached to the patellar tendon, it is used for reconstruction of the

leg when a patient has a tumor; therefore, the tibia is the primary component and should go first in the Class Name.

As a result, the ITTAG has revised the existing tissues terminology and created the new section “Bone/Soft Tissue Bounded List and Definitions” for tissues where the bone is the primary component and the name of the bone needs to go first in the Class Name.

Additionally, the existing Class Names and Product Description Codes (PDCs) for tissue products that contain a tendon have been revised taking into consideration the main use of the tissue.

This document contains the following information regarding the changes to the tissue terminology:

- New Class Section and Class Name Format
- Revised Classes
- New Classes
- Retired Classes
- Renamed PDCs
- Retired PDCs

2 Changes to the Tissue Terminology

2.1 New Class Section and Class Name Format

The new section “Bone/Soft Tissue Bounded List and Definitions” was added to tissue classes in the *ISBT 128 Standard Terminology for Medical Products of Human Origin* (ST-002), version 7.35.

This new section was created for products where the bone is the primary component of the tissue and the name of the bone needs to appear before the soft tissue in the Class Name.

The format for the Class Names in this section is the following:

- NAME OF BONE, PORTION OF THE BONE (*if other than whole*) WITH NAME OF THE TENDON

Note: “Whole” or the specific portion of the bone is conveyed in the class definition.

2.2 Revised Classes

Some of the existing tissue classes and definitions were revised as a result of the changes to the terminology. The old and revised class names and definitions are listed in Table 1. These revised classes are fully backward compatible with the new format.

Table 1 Revised Classes and Definitions

Class Name v7.33 and prior	Old Definition v7.33 and prior	Revised Class Name v7.35	Revised Definition v7.35
TENDON, PATELLAR WITH PROXIMAL TIBIA	Patellar tendon (sometimes called patellar ligament) with proximal portion of the tibia and patellar bone block attached. May also be called Tibia, Proximal with Patellar Tendon.	TIBIA, PROXIMAL WITH PATELLAR TENDON	Proximal portion of the tibia with patellar tendon (sometimes called patellar ligament) and patellar bone block attached.
TENDON, PATELLAR WITH TIBIA AND MENISCI	Patellar tendon (sometimes called patellar ligament) with patellar bone block attached, and with whole tibia with the menisci attached.	TIBIA AND MENISCI WITH PATELLAR TENDON	Whole tibia and menisci with patellar tendon (sometimes called patellar ligament) and patellar bone block attached.
TENDON, PATELLAR WITH WHOLE TIBIA AND PATELLAR BONE BLOCK	Patellar tendon (sometimes called patellar ligament) with whole tibia and patellar bone block attached. May also be called Tibia, Whole with Patellar Tendon.	TIBIA WITH PATELLAR TENDON AND PATELLAR BONE BLOCK	Whole tibia with patellar tendon (sometimes called patellar ligament) and patellar bone block attached.

2.3 New Classes

The existing classes, TENDON, BICEPS WITH RADIUS and TENDON, TRICEPS WITH ULNA, were defined as “whole or part” of a bone; therefore, they did not have a 1:1 map to the new name format and needed to be retired. See Section 3.1.

As a result, new classes were created for products containing the “whole” radius or ulna. See Table 2.

New classes that specify the portion of the bone will be created upon user request.

Table 2 New Classes

New Class Name	Definition
RADIUS, WITH BICEPS TENDON	Whole radius with tendon of biceps muscle attached.
ULNA, WITH TRICEPS TENDON	Whole ulna with tendon of triceps muscle attached.

3 Retired Tissue Terminology

3.1 Retired Classes

As indicated in Section 2.3, classes that were defined as “whole or part” do not have a 1:1 map to the new format and therefore have been retired. These classes are listed in Table 3.

Additionally, the Product Description Codes (PDCs) associated with these classes have been retired. See Section 4.2.

Table 3 Retired Classes

Retired Class Name	Definition
TENDON, BICEPS WITH RADIUS	Tendon of biceps muscle with whole or part of a radius.
TENDON, TRICEPS WITH ULNA	Tendon of triceps muscle with whole or part of an ulna.

4 Product Description Codes (PDCs)

4.1 Renamed PDCs

Table 4 lists existing PDCs associated with the revised classes that are fully backward compatible with the new format, see Section 2.2. As shown, these PDCs needed to be updated with the revised class names.

Table 4 Renamed PDCs

CLASS: TIBIA, PROXIMAL WITH PATELLAR TENDON	
PDC T0706	Product Description
Before:	TENDON, PATELLAR WITH PROXIMAL TIBIA Frozen Left
Updated to:	TIBIA, PROXIMAL WITH PATELLAR TENDON Frozen Left
PDC T0707	Product Description
Before:	TENDON, PATELLAR WITH PROXIMAL TIBIA Frozen Right
Updated to:	TIBIA, PROXIMAL WITH PATELLAR TENDON Frozen Right
PDC T0770	Product Description
Before:	TENDON, PATELLAR WITH PROXIMAL TIBIA Frozen
Updated to:	TIBIA, PROXIMAL WITH PATELLAR TENDON Frozen
PDC T0972	Product Description
Before:	TENDON, PATELLAR WITH PROXIMAL TIBIA Cleaned Frozen Left Single Combined process
Updated to:	TIBIA, PROXIMAL WITH PATELLAR TENDON Cleaned Frozen Left Single Combined process
PDC T0973	Product Description
Before:	TENDON, PATELLAR WITH PROXIMAL TIBIA Cleaned Frozen Right Single Combined process
Updated to:	TIBIA, PROXIMAL WITH PATELLAR TENDON Cleaned Frozen Right Single Combined process
PDC T1417	Product Description
Before:	TENDON, PATELLAR WITH PROXIMAL TIBIA Frozen Left Radiation sterilization
Updated to:	TIBIA, PROXIMAL WITH PATELLAR TENDON Frozen Left Radiation sterilization
PDC T1418	Product Description
Before:	TENDON, PATELLAR WITH PROXIMAL TIBIA Frozen Right Radiation sterilization
Updated to:	TIBIA, PROXIMAL WITH PATELLAR TENDON Frozen Right Radiation sterilization

Table 4 Renamed PDCs (cont.)

CLASS: TIBIA AND MENISCI WITH PATELLAR TENDON	
PDC T1294	Product Description
Before:	TENDON, PATELLAR WITH TIBIA AND MENISCI Left For further processing
Updated to:	TIBIA AND MENISCI WITH PATELLAR TENDON Left For further processing
PDC T1295	Product Description
Before:	TENDON, PATELLAR WITH TIBIA AND MENISCI Right For further processing
Updated to:	TIBIA AND MENISCI WITH PATELLAR TENDON Right For further processing
CLASS: TIBIA WITH PATELLAR TENDON AND PATELLAR BONE BLOCK	
PDC T0974	Product Description
Before:	TENDON,PATELLAR W TIBIA, PATELLA BLK Cleaned Frozen Left Single Combined process
Updated to:	TIBIA WITH PATELLAR TENDON AND PATELLAR BONE BLOCK Cleaned Frozen Left Single Combined process
PDC T0975	Product Description
Before:	TENDON,PATELLAR W TIBIA, PATELLA BLK Cleaned Frozen Right Single Combined process
Updated to:	TIBIA WITH PATELLAR TENDON AND PATELLAR BONE BLOCK Cleaned Frozen Right Single Combined process
PDC T0704	Product Description
Before:	TENDON,PATELLAR W TIBIA, PATELLA BLK Frozen Left
Updated to:	TIBIA WITH PATELLAR TENDON AND PATELLAR BONE BLOCK Frozen Left
PDC T0705	Product Description
Before:	TENDON,PATELLAR W TIBIA, PATELLA BLK Frozen Right
Updated to:	TIBIA WITH PATELLAR TENDON AND PATELLAR BONE BLOCK Frozen Right
PDC T0849	Product Description
Before:	TENDON,PATELLAR W TIBIA, PATELLA BLK Left For further processing
Updated to:	TIBIA WITH PATELLAR TENDON AND PATELLAR BONE BLOCK Left For further processing
PDC T0850	Product Description
Before:	TENDON,PATELLAR W TIBIA, PATELLA BLK Right For further processing
Updated to:	TIBIA WITH PATELLAR TENDON AND PATELLAR BONE BLOCK Right For further processing

4.2 Retired PDCs

Table 5 includes the list of retired PDCs associated with the retired classes. These PDCs have been retired in the ISBT 128 Product Description Code Database, version 7.35.0. They will be retained for backward compatibility but should not be assigned to new products. New PDCs may be requested as needed.

Table 5 Retired PDCs

CLASS: TENDON, BICEPS WITH RADIUS	
PDC	Description
T1281	TENDON, BICEPS WITH RADIUS Cleaned Frozen Left Single Combined process
T1282	TENDON, BICEPS WITH RADIUS Cleaned Frozen Right Single Combined process
CLASS: TENDON, TRICEPS WITH ULNA	
PDC	Description
T1252	TENDON, TRICEPS WITH ULNA Frozen Left Epiphysis, proximal, with shaft
T1253	TENDON, TRICEPS WITH ULNA Frozen Right Epiphysis, proximal, with shaft
T1289	TENDON, TRICEPS WITH ULNA Cleaned Frozen Left Single Combined process
T1290	TENDON, TRICEPS WITH ULNA Cleaned Frozen Right Single Combined process

5 Affected Documents and Database

The following were affected by these changes to the tissue terminology:

- *ISBT 128 Standard Terminology for Medical Products of Human Origin* (ST-002), version 7.35
- ISBT 128 Product Description Code Database, version 7.35.0