

ICS 49.020

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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 35853.4-2018

List of aerospace equivalent terms -- Part 4: Flight dynamics

Issued on: March 15, 2018

Implemented on: October 1, 2018

**Issued by: State Administration for Market Regulation, China National
Standardization Administration**

Table of Contents

Foreword

1 Scope

2 equivalent glossary

Foreword

GB/T 35853 "Aerospace Equivalent Glossary" is divided into nine parts.

- Part 1. Aviation electrical equipment;
- Part 2. Rivets for aerospace;
- Part 3. Bolts and nuts for aerospace;
- Part 4. Flight dynamics;
- Part 5. Aircraft equipment environment and working conditions;
- Part 6. Standard atmosphere;
- Part 7. Aircraft reliability;
- Part 8. Aircraft;
- Part 9. Aircraft structure.

This part is the fourth part of GB/T 35853.

This part is drafted in accordance with the rules given in GB/T 1.1-2009.

This section uses the redrafting method to modify the use of ISO 5843-4:1990 "Aerospace equivalent glossary Part 4. Flying operations

Mechanics.

This section has made the following editorial changes.

- Change the standard name to "Aerospace equivalent glossary Part 4. Flight dynamics";
- deleted "Note 2" in the scope of ISO 5843-4:1990;
- Removed the informative Appendix A of ISO 5843-4:1990 "ISO 5843-4 term number and ISO 1511 definition number

Control".

This part was proposed by China Aviation Industry Corporation.

This part is under the jurisdiction of the National Aircraft Standardization Technical Committee (SAC/TC 435).

This section drafted by. China Aviation Integrated Technology Research Institute, Beijing University of Aeronautics and Astronautics, China Flight Test Institute, Shaanxi Aircraft Industry (Group) Co., Ltd., AVIC First Aircraft Design and Research Institute.

1 Scope

GB/T 35853 defines an equivalent glossary used in the field of aerospace facilities. This section gives terms related to flight dynamics.

Note. In addition to the three official languages of the International Organization for Standardization (ISO) (English, French, Russian), the terms of ISO 5843 are given in German, etc.

Effective terminology. These terms are included in the ISO Technical Committee ISO /TC 20 application and are published under the responsibility of the German Member Body (DIN). Of course

However, terms given only in the official language can be used as ISO terms.

2 equivalent glossary

Serial number	Chinese	English	French	Russian	German
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	Dimensionless	tangential			
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	Acceleration				
--	--------------	--	--	--	--

	Acceleration, normal-				
--	-----------------------	--	--	--	--

	Cited	tangential			
--	-------	------------	--	--	--

	Accélération tangen-				
--	----------------------	--	--	--	--

	Tielle réduite				
--	----------------	--	--	--	--

	Eezrazmernoe kasa-				
--	--------------------	--	--	--	--

	Telnoe uskorenie				
--	------------------	--	--	--	--

	Normierte	Tangential-			
--	-----------	-------------	--	--	--

	Beschleu-nigung				
--	-----------------	--	--	--	--

	Longitudinal	speed			
--	--------------	-------	--	--	--

	Rate of	change			
--	---------	--------	--	--	--

	Row	dimensionless			
--	-----	---------------	--	--	--

Derivative

Aero-normalized de-

Rival with respect

To the rate of change

Of the velocity compo-

Nent along the longitu-

Dinal axis

Dérivée sans dimension

Par rapport à la dérivée

De la composante de

La vitesse suivant l'axe

Long

Eezrazmernaya proiz-

Vodnaya po skorosti

Izmeneniya sostav-

Yushchyayushchey vozdushnoy

Skorosti vdol pro-

Oolnoy osi

Normiertes Deriva-

Tiv nach der zeitlichen

Ableitung der Gesch-

Windigkeitskompo-

Nente in Richtung der

Längsachse

Normal speed

Rate of change

Row dimensionless

Derivative

Aero-normalized de-

Rival with respect

To the rate of change

Of the velocity compo-

Nent along the normal

Align

Dérivée sans dimension

Par rapport à la dérivée

De la composante de

La vitesse suivant l'axe

Normal

Eezrazmernaya proiz-

Vodnaya po skorosti

Izmeneniya sostav-

Yushchyayushchey vozdushnoy

Skorosti vdol nor-

Malnoy osi

Normiertes Deriva-

Tiv nach der zeitlichen

Ableitung der Gesch-

Windigkeitskompo-

Nente in Richtung der

Hochachse

Lateral speed

Rate of change

Row dimensionless

Derivative

Aero-normalized de-