

**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
WASHINGTON, D.C. 20549**

**FORM 20-F/A**

(Amendment No. 1)

- REGISTRATION STATEMENT PURSUANT TO SECTION 12(b) OR (g) OF THE SECURITIES EXCHANGE ACT OF 1934  
OR  
 ANNUAL REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934  
For the fiscal year ended: December 31, 2017  
OR  
 TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934  
For the transition period from N/A to N/A  
OR  
 SHELL COMPANY REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934  
Date of event requiring this shell company report  
Commission file number 1-13882

**TIM S.p.A.**

(Exact name of Registrant as specified in its charter)

Italy

(Jurisdiction of incorporation or organization)  
Via Gaetano Negri 1, 20123 Milan, Italy  
(Address of principal executive offices)

Piergiorgio PELUSO

Head of Administration, Finance and Control  
TIM S.p.A.

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(Name, Telephone, E-mail and/or Facsimile number and Address of Company Contact Person)

**Securities registered or to be registered pursuant to Section 12(b) of the Act:**

<u>Title of each class</u>	<u>Name of each exchange on which registered</u>
American Depositary Shares, each representing 10 Ordinary Shares (the "Ordinary Share ADSs")	The New York Stock Exchange
Ordinary Shares (the "Ordinary Shares")	The New York Stock Exchange*
American Depositary Shares, each representing 10 Savings Shares (the "Savings Share ADSs")	The New York Stock Exchange
Savings Shares (the "Savings Shares")	The New York Stock Exchange*
Guarantee of Guaranteed Senior Notes due 2018 of Telecom Italia Capital S.A.	The New York Stock Exchange**
Guarantee of Guaranteed Senior Notes due 2019 of Telecom Italia Capital S.A.	The New York Stock Exchange**
Guarantee of Guaranteed Senior Notes due 2033 of Telecom Italia Capital S.A.	The New York Stock Exchange**
Guarantee of Guaranteed Senior Notes due 2034 of Telecom Italia Capital S.A.	The New York Stock Exchange**
Guarantee of Guaranteed Senior Notes due 2036 of Telecom Italia Capital S.A.	The New York Stock Exchange**
Guarantee of Guaranteed Senior Notes due 2038 of Telecom Italia Capital S.A.	The New York Stock Exchange**

**Securities registered or to be registered pursuant to Section 12(g) of the Act:**

None

(Title of Class)

**Securities for which there is a reporting obligation pursuant to Section 15(d) of the Act:**

None

(Title of Class)

Indicate the number of outstanding shares of each of the issuer's classes of capital or common stock as of the close of the period covered by the annual report.

Ordinary Shares 15,203,122,583  
Savings Shares 6,027,791,699

Indicate by check mark if the registrant is a well-known seasoned issuer, as defined in Rule 405 of the Securities Act Yes  No

If this report is an annual or transition report, indicate by check mark if the registrant is not required to file reports pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934. Yes  No

Note—Checking the box above will not relieve any registrant required to file reports pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934 from their obligations under those Sections.

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes  No

Indicate by check mark whether the registrant has submitted electronically and posted on its corporate Web site, if any, every Interactive Data File required to be submitted and posted pursuant to Rule 405 of Regulation S-T (§232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit and post such files). Yes  No

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, or a non-accelerated filer. See definition of “accelerated filer and large accelerated filer” in Rule 12b-2 of the Exchange Act. (Check one):

Large accelerated filer  Accelerated filer  Non-accelerated filer  Emerging growth company

If an emerging growth company that prepares its financial statements in accordance with U.S. GAAP, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards† provided pursuant to Section 13(a) of the Exchange Act.

Indicate by check mark which basis of accounting the registrant has used to prepare the financial statement included in this filing:

U.S. GAAP  International Financial Reporting Standards as issued by the International Accounting Standards Board  Other

If “Other” has been checked in response to the previous question indicate by check mark which financial statements item the registrant has elected to follow Item 17  Item 18

If this is an annual report, indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act). Yes  No

\* Not for trading, but only in connection with the registration of American Depositary Shares representing such Ordinary Shares or Savings Shares, as the case may be, pursuant to the requirements of the Securities and Exchange Commission.

\*\* Not for trading, but only in connection with the registration of the corresponding Guaranteed Senior Notes of Telecom Italia Capital S.A. (a wholly-owned subsidiary of TIM S.p.A.).

† The term “new or revised financial accounting standard” refers to any update issued by the Financial Accounting Standards Board to its Accounting Standards Codification after April 5, 2012.

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**Explanatory Note**

Amendment No. 1 to the Annual Report on Form 20-F of TIM S.p.A (“TIM”) amends TIM’s Annual Report on Form 20-F for the year ended December 31, 2017 (the “Original 20-F”), which was filed with the Securities and Exchange Commission on April 16, 2018. TIM is filing this Amendment No. 1 solely to furnish the Interactive Data File as Exhibit 101 in accordance with Rule 405 of Regulation S-T, which was not included in the Original 20-F. Exhibit 101 includes information in eXtensible Business Reporting Language (XBRL).

Except as described above, this Amendment No. 1 does not amend any information set forth in the Original 20-F, and TIM has not updated disclosures included therein to reflect any events that occurred subsequent to April 16, 2018.

Pursuant to Rule 406T of Regulation S-T, these interactive data files are deemed furnished and not filed or part of a registration statement or prospectus for purposes of Sections 11 or 12 of the Securities Act of 1933, as amended, and are deemed not filed for purposes of Section 18 of the Securities Exchange Act of 1934, as amended, and are otherwise not subject to liability under those sections.

## PART III

### ITEM 19. EXHIBITS

The following is a list of exhibits filed as part of this Amendment No. 1 to TIM's Annual Report on Form 20-F:

- 101.INS\* XBRL Instance Document
- 101.SCH\* XBRL Taxonomy Extension Schema Document
- 101.CAL\* XBRL Taxonomy Extension Calculation Linkbase Document
- 101.DEF\* XBRL Taxonomy Extension Definition Linkbase Document
- 101.LAB\* XBRL Taxonomy Extension Label Linkbase Document
- 101.PRE\* XBRL Taxonomy Extension Presentation Linkbase Document

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\* In accordance with Rule 406T(b)(2) of Regulation S-T, this eXtensible Business Reporting Language (XBRL) information is furnished and not filed or part of a registration statement or prospectus for purposes of Sections 11 or 12 of the Securities Act of 1933, as amended, is deemed not filed for purposes of Section 18 of the Securities Exchange Act of 1934, as amended, and otherwise is not subject to liability under those sections.

**SIGNATURE**

The registrant hereby certifies that it meets all of the requirements for filing on Form 20-F and that it has duly caused and authorized the undersigned to sign this Amendment No. 1 to the Annual Report on Form 20-F on its behalf.

**TIM S.p.A**

By:                   /s/ Amos Genish                    
Name: **Amos Genish**  
Title: **Chief Executive Officer**

Dated April 23, 2018