

TOWER SEMICONDUCTOR LTD  
Form 20-F/A  
August 30, 2016

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

FORM 20-F/A  
(Amendment No.1)

ANNUAL REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the fiscal year ended December 31, 2015 Commission File number: 0-24790

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TOWER SEMICONDUCTOR LTD.  
(Exact name of registrant as specified in its charter and translation of registrant's name into English)

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Israel  
(Jurisdiction of incorporation or organization)

Ramat Gavriel Industrial Park  
P.O. Box 619, Migdal Haemek 23105, Israel  
(Address of principal executive offices)

Nati Somekh, +972-4-6506109, natiso@towersemi.com;  
Ramat Gavriel Industrial Park P.O. Box 619, Migdal Haemek 23105, Israel  
(Name, Telephone, E-mail and/or Facsimile number and Address of Company Contact Person)

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

Title of Each Class	Name of Each Exchange on Which Registered
Ordinary Shares, par value New Israeli Shekels 15.00 per share	NASDAQ Global Select Market

Securities registered or to be registered pursuant to Section 12(g) of the Act: None

Securities for which there is a reporting obligation pursuant to Section 15(d) of the Act: None

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: 82,057,606 Ordinary Shares.

Indicate by check mark if the registrant is a well-known seasoned issuer, as defined in Rule 405 of the Securities Act.

Yes No

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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

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 website, if any, every Interactive Data File required to be submitted and posted pursuant to Rule 405 of Regulation S-T (section 229.405 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

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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.

Large accelerated filer    Accelerated filer    Non-accelerated filer

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

US 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 statement 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

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EXPLANATORY NOTE

This Amendment No.1 on Form 20-F/A (“Form 20-F/A”) is being filed as an amendment to our Annual Report on Form 20-F for the year ended December 31, 2015, which was originally filed with the Securities and Exchange Commission on May 11, 2016 (the “Original Filing”). This Form 20-F/A amends and restates Item 15. Controls and Procedures to include the following revised sentence in the second paragraph thereof: “Under the supervision and with the participation of our management, including our Chief Executive Officer and Chief Financial Officer, we conducted an evaluation of the effectiveness of our internal control over financial reporting based on criteria established in Internal Control—Integrated Framework issued by the Committee of Sponsoring Organizations of the Treadway Commission (2013 framework).” No other changes have been made to the Original Filing. This Form 20-F/A also includes, as exhibits, currently dated certifications from each of our Chief Executive Officer and our Chief Financial Officer, as required by Rule 12b-15 of the Securities Exchange Act of 1934, as amended.

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## ITEM 15. CONTROLS AND PROCEDURES

### Evaluation of Disclosure Controls and Procedures

Our management, with the participation of our Chief Executive Officer and our Chief Financial Officer, has evaluated the effectiveness of the design and operation of our disclosure controls and procedures (as defined in Rule 13a-15(e) under the Securities Exchange Act of 1934, as amended (the “Act”) as of the end of the period covered by this annual report on Form 20-F. Based on this evaluation, our Chief Executive Officer and Chief Financial Officer concluded that these disclosure controls and procedures were effective as of such date, at a reasonable level of assurance, in ensuring that the information required to be disclosed by our company in the reports we file or submit under the Act is (i) accumulated and communicated to our management (including the Chief Executive Officer and Chief Financial Officer) in a timely manner, and (ii) recorded, processed, summarized and reported within the time periods specified in the SEC’s rules and forms.

### Internal Control over Financial Reporting

Management is responsible for establishing and maintaining adequate internal control over financial reporting, as such term is defined in Exchange Act Rules 13a-15(f). Under the supervision and with the participation of our management, including our Chief Executive Officer and Chief Financial Officer, we conducted an evaluation of the effectiveness of our internal control over financial reporting based on criteria established in Internal Control—Integrated Framework issued by the Committee of Sponsoring Organizations of the Treadway Commission (2013 framework). Based on our evaluation, management has concluded that our internal control over financial reporting was effective as of December 31, 2015.

Because of its inherent limitations, internal control over financial reporting may not prevent or detect misstatements. Also, projections of any evaluation of effectiveness to future periods are subject to the risks that controls may become inadequate because of changes in conditions, or that the degree of compliance with the policies or procedures may deteriorate.

### Attestation Report of the Registered Public Accounting Firm

The effectiveness of our internal control over financial reporting as of December 31, 2015 has been audited by Brightman Almagor Zohar & Co., a member firm of Deloitte Touche Tohmatsu, an independent registered public accounting firm, as stated in their report which appears herein.

### Changes in Internal Control over Financial Reporting

There has been no change in our internal control over financial reporting during the period covered by this Annual Report that has materially affected, or is reasonably likely to materially affect, our internal control over financial reporting.

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ITEM 19. EXHIBITS

1.1 Articles of Association of the Registrant, approved by shareholders on November 14, 2000, as amended (incorporated by reference to Exhibit 3.1 of the Registrant's Registration Statement on Form F-1, File No. 333-126909, "Form F-1 No. 333-126909").

1.2 Amendment to Articles of Association of the Registrant (approved by shareholders on December 7, 2003) (incorporated by reference to exhibit 4.2 to the Registration Statement on Form S-8 No. 333-117565 ("Form S-8 No. 333-117565")).

1.3 Amendment to the Articles of Association of the Registrant (approved by shareholders on September 28, 2006) (incorporated by reference to Exhibit 4.2 of the Registrant's Registration Statement on Form S-8, File No. 333-138837 (the "2006 Form S-8").

1.4 Amendment to Articles of Association of Registrant (approved by shareholders on September 24, 2008) (incorporated by reference to Exhibit 3.4 of the Registrant's Registration Statement on Form S-8, File No. 333-153710 (the "2008 Form S-8").

1.5 Amendment to Articles of Association of Registrant (approved by shareholders on August 11, 2011) (incorporated by reference to exhibit 99.1 of the Form 6-K furnished to the SEC on January 17, 2012).

1.6 Amendment to Articles of Association of Registrant (approved by shareholders on August 2, 2012) (incorporated by reference to proposals 1 and 2 of the proxy statement filed on Form 6-K furnished to the SEC on June 12, 2012, and the Form 6-K furnished to the SEC on August 2, 2012)

1.7 Amendment to Articles of Association of Registrant (approved by shareholders on May 23, 2013) (incorporated by reference to Proposal 5 of the proxy statement filed on Form 6-K furnished to the SEC on April 16, 2013).

2.1 Registration Rights Agreement, dated January 18, 2001, by and between SanDisk Corporation, Israel Corporation, Alliance Semiconductor Ltd. and Macronix International Co., Ltd. (incorporated by reference to exhibit 2.2 to the 2000 Form 20-F).

4.1 Form of Grant Letter for Non-Employee Directors Share Option Plan 2001/4 (incorporated by reference to exhibit 4.9 to the Form S-8 No. 333-83204).

4.2 Investment Center Agreement related to Fab 1, dated November 13, 2001 (English translation of Hebrew original) (incorporated by reference to exhibit 10.2 to the Registrant's Registration Statement on Form F-2, No. 333-97043).

4.3 Employee Share Option Plan 2004 (incorporated by reference to Exhibit 4.3 to the Registrant's Registration Statement on Form S-8 No. 333-117565 ("Form S-8 No. 333-117565").

4.4 Form of Grant Letter to Israeli Employees (incorporated by reference to Exhibit 4.4 to Form S-8 No. 333-117565).

4.5 Form of Grant Letter to US Employees (incorporated by reference to Exhibit 4.5 to Form S-8 No. 333-117565).

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- 4.6 Employee Share Option Plan 2005, as amended (incorporated by reference to Exhibit 4.1 of the 2008 Form S-8).
- 4.7 Form of Grant Letter to Israeli Employees (incorporated by reference to Exhibit 4.4 of the 2006 Form S-8).
- 4.8 Form of Grant Letter to US Employees (incorporated by reference to Exhibit 4.5 of the 2006 Form S-8).
- 4.9 Form of Grant Letter for grants to Jazz employees under the Employee Share Option Plan 2005 (incorporated by reference to Exhibit 4.4 of the 2008 Form S-8).
- 4.10 Jazz Technologies, Inc. 2006 Equity Incentive (incorporated by reference to Exhibit 4.5 of the 2008 Form S-8)
- 4.11 Form of Assumption Letter from the Registrant to holders of Jazz Technologies, Inc. 2006 Equity Incentive Plan options (incorporated by reference to Exhibit 4.6 of the 2008 Form S-8)
- 4.12 Form of Option Agreement under the Jazz Technologies, Inc. 2006 Equity Incentive Plan (incorporated by reference to Exhibit 4.7 of the 2008 Form S-8)
- 4.13 CEO Share Option Plan 2005 (incorporated by reference to Exhibit 4.6 of the 2006 Form S-8).
- 4.14 Option Grant Letter Agreement - CEO Share Option Plan 2005 from the Registrant to our CEO, dated July 15, 2005 (incorporated by reference to Exhibit 4.7 of the 2006 Form S-8).
- 4.15 Option Grant Letter Agreement - CEO Share Option Plan 2005 from the Registrant to our CEO, dated September 28, 2006 (incorporated by reference to Exhibit 4.8 of the 2006 Form S-8).
- 4.16 Option Grant Letter Agreement - CEO Share Option Plan 2005 from Tower Semiconductor USA, Inc. to our CEO, dated July 15, 2005 (incorporated by reference to Exhibit 4.9 of the 2006 Form S-8).
- 4.17 Equity Convertible Capital Note, dated September 28, 2006, issued to Israel Corporation Ltd. (incorporated by reference to Exhibit 99.4 of the Form 6-K for the month of November 2006 No. 6 filed on November 7, 2006 (the "November 2006 Form 6-K")).
- 4.18 2009 Chairman Share Incentive Plan (incorporated by reference to Exhibit 4.20 to the 2010 20-F).
- 4.19 Registration Rights Agreement, dated September 28, 2006, with Israel Corporation Ltd. (incorporated by reference to Exhibit 99.5 of the November 2006 Form 6-K).
- 4.20 Conversion Agreement, dated September 28, 2006, with Bank Hapoalim B.M. (incorporated by reference to Exhibit 99.8 of the November 2006 Form 6-K).
- 4.21 Conversion Agreement, dated September 28, 2006, with Bank Leumi Le-Israel B.M. (incorporated by reference to Exhibit 99.9 of the November 2006 Form 6-K).
- 4.22 Registration Rights Agreement, dated September 28, 2006, with Bank Hapoalim B.M. (incorporated by reference to Exhibit 99.10 of the November 2006 Form 6-K).
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- 4.23 Registration Rights Agreement, dated September 28, 2006, with Bank Leumi Le-Israel B.M. (incorporated by reference to Exhibit 99.11 of the November 2006 Form 6-K).
- 4.24 Equity Convertible Capital Note, dated September 28, 2006, issued to Bank Hapoalim B.M. (incorporated by reference to Exhibit 99.12 of the November 2006 Form 6-K).
- 4.25 Equity Convertible Capital Note, dated April 13, 2014, issued to bank Leumi Le-Israel B.M. (incorporated by reference to exhibit 4.25 to the 2013 20-F)
- 4.26 Form of Securities Purchase Agreement (incorporated by reference to Exhibit 99.2 of the Form 6-K for the month of March 2007 No.1 filed on March 15, 2007 (the “March 2007 Form 6-K”)).
- 4.27 Form of Registration Rights Agreement (incorporated by reference to Exhibit 99.4 of the March 2007 Form 6-K).
- 4.28 Agreement and Plan of Merger and Reorganization, dated May 19, 2008, between the Registrant, Jazz Technologies, Inc. and Armstrong Acquisition Corp. (incorporated by reference to Exhibit 2.1 of the May 20, 2008 Form 6-K),
- 4.29 Facility Agreement, as amended and restated by the parties through September 29, 2008. (incorporated by reference to Exhibit 4.86 to the 2008 20-F)
- 4.30 Conversion Agreement, dated September 25, 2008, with Bank Hapoalim B.M. (incorporated by reference to Exhibit 4.87 to the 2008 20-F)
- 4.31 Conversion Agreement, dated September 25, 2008, with Bank Leumi Le-Israel B.M. (incorporated by reference to Exhibit 4.88 to the 2008 20-F)
- 4.32 Conversion Agreement, dated September 25, 2008, with the Israel Corporation Ltd. (incorporated by reference to Exhibit 4.89 to the 200820-F)
- 4.33 Pledge Agreement, dated September 25, 2008, with Bank Hapoalim B.M. and Bank Leumi Le-Israel B.M. (incorporated by reference to Exhibit 4.90 to the 2008 20-F)
- 4.34 Amended and Restated Registration Rights Agreement, dated September 25, 2008, with Bank Hapoalim B.M. (incorporated by reference to Exhibit 4.91 to the 2008 20-F)
- 4.35 Amended and Restated Registration Rights Agreement, dated September 25, 2008, with Bank Leumi Le-Israel B.M. (incorporated by reference to Exhibit 4.92 to the 2008 20-F)
- 4.36 Undertaking by Israel Corporation Ltd., dated September 25, 2008. (incorporated by reference to Exhibit 4.93 to the 2008 20-F)
- 4.37 Securities Purchase Agreement, dated September 25, 2008, with the Israel Corporation Ltd. (incorporated by reference to Exhibit 4.94 to the 2008 20-F)
- 4.38 Equity Convertible Capital Note, dated October 29, 2012, issued to Bank Hapoalim B.M. (incorporated by reference to Exhibit 4.38 to the 2012 20-F)
- 4.39 Equity Convertible Capital Note, dated July 30, 2013, issued to Bank Hapoalim B.M. (incorporated by reference to exhibit 4.39 to the 2013 20-F)





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4. 40 Equity Convertible Capital Note, in the principal amount of \$30 million, dated September 25, 2008, issued to the Israel Corporation Ltd. in connection with the conversion of debt. (incorporated by reference to Exhibit 4.97 to the 2008 20-F)
4. 41 Equity Convertible Capital Note, in the principal amount of \$20 million, dated September 25, 2008, issued to the Israel Corporation Ltd. in connection with the conversion of debt. (incorporated by reference to Exhibit 4.98 to the 2008 20-F)
4. 42 Equity Convertible Capital Note, in the principal amount of \$20 million, dated September 25, 2008, issued to the Israel Corporation Ltd. in connection with the investment. (incorporated by reference to Exhibit 4.99 to the 2008 20-F)
4. 43 Equity Convertible Capital Note, in the principal amount of \$20 million, dated January 7, 2008, issued to the Israel Corporation Ltd. in connection with the investment. (incorporated by reference to Exhibit 4.100 to the 2008 20-F)
- 4.44 Amended and Restated Registration Rights Agreement, dated September 25, 2008, with the Israel Corporation Ltd. (incorporated by reference to Exhibit 4.101 to the 2008 20-F).
- 4.45 Amendment to Undertaking by the Israel Corporation Ltd., dated January 6, 2009 (incorporated by reference to Exhibit 4.102 to the 2008 20-F).
- 4.46 Exchange Agreement dated July 9, 2010 by and among Jazz Technologies, Inc., Tower Semiconductor, Ltd., Jazz Semiconductor, Inc., Newport Fab, LLC, Zazove Associates, LLC and certain holders of Jazz Technologies, Inc.'s 8% Senior Notes due 2011 (incorporated by reference to Exhibit 10.48 to Jazz Technologies, Inc.'s Quarterly Report on Form 10-Q for the quarter ended June 30, 2010).
- 4.47 Indenture dated July 15, 2010 by and among Jazz Technologies, Inc., Jazz Semiconductor, Inc., Newport Fab, LLC and U.S. Bank National Association (incorporated by reference to Exhibit 4.15 to Jazz Technologies, Inc.'s Quarterly Report on Form 10-Q for the quarter ended June 30, 2010).
- 4.48 Warrant Agreement dated July 15, 2010 between Tower Semiconductor, Ltd. and American Stock Transfer & Trust Company, LLC as warrant agent (incorporated by reference to Exhibit 4.54 to the 2010 20-F).
- 4.49 Form of Series J Warrant (incorporated by reference to Exhibit 4.55 to 2010 20-F).
- 4.50 Master Agreement by and among Micron Technology, Inc., Micron Japan, Ltd. and Tower Semiconductor Ltd. dated May 25, 2011 (incorporated by reference to Exhibit 10.1 to the Registrant's Registration Statement on Form F-3 (No. 333-178166)).
- 4.51 Credit Support and Subordination Agreement, by and among Micron Technology, Inc., Micron Japan, Ltd., Tower Semiconductor Ltd., TowerJazz Japan, Ltd., and TowerJazz Japan, Ltd. dated June 3, 2011 (incorporated by reference to Exhibit 10.2 to the Registrant's Registration Statement on Form F-3 (No. 333-178166)).
- 4.52 Receivables Pledge Agreement, dated March 26, 2015, with Bank Hapoalim B.M. and Bank Leumi Le-Israel B.M. (incorporated by reference to Exhibit 4.52 to the 2014 20-F)
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4.53 Shareholder Rights and Restrictions Agreement between Micron Technology, Inc. and Tower Semiconductor Ltd. dated June 3, 2011 (incorporated by reference to Exhibit 10.3 to the Registrant's Registration Statement on Form F-3 (No. 333-178166)).

4.54 2013 Share Incentive Plan (incorporated by reference to Exhibit 4.54 to the 2014 20-F).

4.55 The Compensation Policy of the Company, filed by us as Annex A to Proposal 1 found in Exhibit 99.1 to the Form 6-K as furnished to the Securities and Exchange Commission on July 30, 2013, and incorporated herein by reference.

4.56 Exchange Agreement dated as of March 19, 2014 by and among Jazz Technologies, Inc., Tower Semiconductor, Ltd., Jazz Semiconductor, Inc., Newport Fab, LLC and certain holders of the Jazz Technologies, Inc. 8% Senior Notes due 2015 (incorporated by reference to Exhibit 4.59 to 2013 20-F).

4.57 Purchase Agreement dated as of March 19, 2014 by and among Jazz Technologies, Inc., Tower Semiconductor, Ltd., Jazz Semiconductor, Inc., Newport Fab, LLC and certain holders of the Jazz Technologies, Inc. 8% Senior Notes due 2015 (incorporated by reference to Exhibit 4.60 to 2013 20-F).

4.58 Indenture dated as of March 25, 2014 by and among Jazz Technologies, Inc., Tower Semiconductor, Ltd., Jazz Semiconductor, Inc., Newport Fab, LLC and U.S. Bank National Association (incorporated by reference to Exhibit 4.61 to 2013 20-F).

4.59 Registration Rights Agreement dated as of March 25, 2014 by and among Tower Semiconductor, Ltd., and holders of the Jazz Technologies, Inc. 8% Convertible Senior Notes due 2018 (incorporated by reference to Exhibit 4.1 to the Registrant's Registration Statement on Form F-3 (No. 333-195200)).

4.60 Joint Venture Formation Agreement among Tower Semiconductor Ltd. and Panasonic Corporation, dated as of December 20, 2013 (incorporated by reference to Exhibit 4.63 Registrant's Form 20-F/A filed on November 17, 2014).

4.61 Shareholders Agreement between Tower Semiconductor Ltd., Panasonic Corporation and TowerJazz Panasonic Semiconductor Co., Ltd., dated as of April 1, 2014 (incorporated by reference to Exhibit 4.64 to the Registrant's Form 20-F/A filed on November 17, 2014).

4.62 Business Transfer Agreement between Panasonic Corporation and TowerJazz Panasonic Semiconductor Co., Ltd., dated as of April 1, 2014 (incorporated by reference to Exhibit 4.65 to the Registrant's Form 20-F/A filed on November 17, 2014).

4.63 Manufacturing Agreement between Panasonic Corporation and TowerJazz Panasonic Semiconductor Co., Ltd., dated as of April 1, 2014 (incorporated by reference to Exhibit 4.66 to the Registrant's Form 20-F/A filed on November 17, 2014).

\*8.1 List of Subsidiaries.

#12.1 Certification by Chief Executive Officer pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.

#12.2 Certification by Chief Financial Officer pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.

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#13.1 Certification by Chief Executive Officer pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.

#13.2 Certification by Chief Financial Officer pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.

\*15.1 Consent of Brightman Almagor Zohar & Co., Certified Public Accountants, a member of Deloitte Touche Tohmatsu.

\*101 The following financial information from Tower Semiconductor Ltd.'s Annual Report on Form 20-F for the year ended December 31, 2015, formatted in XBRL (eXtensible Business Reporting Language):

(i) Consolidated Balance Sheets at December 31, 2015 and 2014;

(ii) Consolidated Statements of Operations for the years ended December 31, 2015, 2014 and 2013;

(iii) Consolidated Statements of Changes in Shareholders' Equity for the years ended December 31, 2015, 2014 and 2013;

(iv) Consolidated Statements of Cash Flows for the years ended December 31, 2015, 2014 and 2013; and

(v) Notes to Consolidated Financial Statements, tagged as blocks of text.

Users of this data are advised, in accordance with Rule 406T of Regulation S-T promulgated by the SEC, that this Interactive Data File is deemed not filed or part of a registration statement or prospectus for purposes of Sections 11 or 12 of the Securities Act of 1933, is deemed not filed for purposes of Section 18 of the Exchange Act, and otherwise is not subject to liability under these sections.

\* Previously filed.

# Filed herewith.

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SIGNATURES

The registrant hereby certifies that it meets all 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 its Annual Report on its behalf.

TOWER SEMICONDUCTOR LTD.

By: /s/ Russell C. Ellwanger  
Russell C. Ellwanger  
Chief Executive Officer

August 30, 2016

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